

10/598,458

=> d his

(FILE 'HOME' ENTERED AT 22:33:59 ON 23 FEB 2011)

FILE 'REGISTRY' ENTERED AT 22:34:11 ON 23 FEB 2011

L1 STRUCTURE UPLOADED

L2 37 S L1

L3 744 S L1 SSS FUL

L4 372 S L3 AND CAPLUS/LC

L5 372 S L3 NOT L4

FILE 'CAPLUS' ENTERED AT 22:35:10 ON 23 FEB 2011

L6 1 S L3

=> d ibib abs hitstr total

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2011 ACS on STN  
 ACCESSION NUMBER: 2005:979630 CAPLUS  
 DOCUMENT NUMBER: 143:286456  
 TITLE: Preparation of benzothiazepine and benzothiepine compounds for prevention and treatment of hyperlipemia  
 INVENTOR(S): Sasahara, Takehiko; Mohri, Mitsunobu; Kasahara, Kenichi  
 PATENT ASSIGNEE(S): Asahi Kasei Pharma Corporation, Japan  
 SOURCE: PCT Int. Appl., 551 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005082874	A1	20050909	WO 2005-JP3686	20050225
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2005217318	A1	20050909	AU 2005-217318	20050225
AU 2005217318	B2	20100701		
CA 2557576	A1	20050909	CA 2005-2557576	20050225
CA 2557576	C	20100209		
EP 1719768	A1	20061108	EP 2005-710810	20050225
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
CN 1930137	A	20070314	CN 2005-80007914	20050225
US 20070190041	A1	20070816	US 2006-590458	20060824
PRIORITY APPLN. INFO.:			JP 2004-128992	A 20040227
			WO 2005-JP3686	W 20050225
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT				
OTHER SOURCE(S):	MARPAT 143:286456			
GI				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Benzothiazepine or benzothiepine compds. represented by the following general formula (I) which have a thioamide bond and a quaternary ammonium substituent [R1a, R2a = C1-10 alkyl, C2-10 alkenyl, C2-10 alkynyl; ma = an integer of 0-4; Rx = halo, NO2, NH2, cyano, HO, CO2H, CONH2, SO3H, C1-5 alkylated NH2, each (un)substituted C1-10 alkyl, C2-10 alkenyl, or C2-10 alkynyl; a combination of (A1, A2, A3) = (CH2, NH, CH), (CH2, CH(OH), CH), (NH, CH(OH), CH), or (CH2, CH2, N); Y = NHC(S), NHC(S)NH, NHC(S)O; Za-(N+R5aR6aR7a)n = C2-10 alkyl or alkenyl substituted by n number of

(N+R5aR6aR7a) with  $\geq 1$  CH<sub>2</sub> of Z<sub>a</sub> optionally being replaced with (un)substituted phenylene or O; n = 1,2; N+R5aR6aR7a is selected from (1) R5a, R6a, R7a = each (un)substituted C1-10 alkyl, C2-10 alkenyl, or C2-10 alkynyl with  $\geq 1$  CH<sub>2</sub> optionally being replaced with phenylene, thienylene, furylene, cyclohexylene, cyclopentylene, O, S, CO<sub>2</sub>, NHCO, (un)substituted NH, or ammonium ion, (2) C4-9 mono- or bicyclic ring containing ammonium N atom with at least one of the ring C atoms being replaced with O, N, or S, and (3) (un)substituted pyridinium, quinolinium, or isoquinolinium; X<sup>-</sup> = a counter ion] are prepared. These compds. are useful as remedies and preventives for hyperlipemia, arteriosclerosis, syndrome X, and other coronary artery diseases and as cholesterol-lowering agents. They are also useful as remedies and preventives for liver disorders accompanying bile stasis, in particular, primary biliary cirrhosis, and primary sclerotic cholangitis, and obesity, fatty liver, and fatty hepatitis. Thus, 95 mg 1-(4-isocyanatobenzyl)-1-azoniabicyclo[2.2.2]octane bromide (preparation given) was added to a solution

of

116 mg 5-(3-aminophenyl)-3,3-dibutyl-7-dimethylamino-4-hydroxy-2,3,4,5-tetrahydro-1-benzothiepin-1,1-dioxide in 3 mL CHCl<sub>3</sub> and stirred at 50° for 2 h to give 190 mg -2,3,4,5-tetrahydro-1-benzothiepin-1,1-dioxide derivative (II). II at 0.3 mg/kg twice a day for 5 days lowered a total blood level of LDL and VLDL by 49% in rats on 5 day diet of a feed containing 0.5% cholesterol and 0.5% bile acid.

IT

1234629-83-4P	1234629-84-5P	1234629-85-6P
1234629-86-7P	1234629-87-8P	1234629-88-9P
1234629-89-0P	1234629-90-3P	1234629-91-4P
1234629-92-5P	1234629-93-6P	1234629-94-7P
1234629-95-8P	1234629-96-9P	1234629-97-0P
1234629-98-1P	1234629-99-2P	1234630-00-2P
1234630-01-3P	1234630-02-4P	1234630-03-5P
1234630-04-6P	1234630-05-7P	1234630-06-8P
1234630-07-9P	1234630-08-0P	1234630-09-1P
1234630-10-4P	1234630-11-5P	1234630-12-6P
1234630-13-7P	1234630-14-8P	1234630-15-9P
1234630-16-0P	1234630-17-1P	1234630-18-2P
1234630-19-3P	1234630-20-6P	1234630-21-7P
1234630-22-8P	1234630-23-9P	1234630-24-0P
1234630-25-1P	1234630-26-2P	1234630-27-3P
1234630-28-4P	1234630-29-5P	1234630-30-8P
1234630-31-9P	1234630-32-0P	1234630-33-1P
1234630-34-2P	1234630-35-3P	1234630-36-4P
1234630-37-5P	1234630-38-6P	1234630-39-7P
1234630-40-0P	1234630-41-1P	1234630-42-2P
1234630-43-3P	1234630-44-4P	1234630-45-5P
1234630-46-6P	1234630-47-7P	1234630-48-8P
1234630-49-9P	1234630-50-2P	1234630-51-3P
1234630-52-4P	1234630-53-5P	1234630-54-6P
1234630-55-7P	1234630-56-8P	1234630-57-9P
1234630-58-0P	1234630-59-1P	1234630-60-4P
1234630-61-5P	1234630-62-6P	1234630-63-7P
1234630-64-8P	1234630-65-9P	1234630-66-0P
1234630-67-1P	1234630-68-2P	1234630-69-3P
1234630-70-6P	1234630-71-7P	1234630-72-8P
1234630-73-9P	1234630-74-0P	1234630-75-1P
1234630-76-2P	1234630-77-3P	1234630-78-4P
1234630-79-5P	1234630-80-8P	1234630-81-9P
1234630-82-0P	1234630-83-1P	1234630-84-2P

1234630-85-3P	1234630-86-4P	1234630-87-5P
1234630-88-6P	1234630-89-7P	1234630-90-0P
1234630-91-1P	1234630-92-2P	1234630-93-3P
1234630-94-4P	1234630-95-5P	1234630-96-6P
1234630-97-7P	1234630-98-8P	1234630-99-9P
1234631-00-5P	1234631-01-6P	1234631-02-7P
1234631-03-8P	1234631-04-9P	1234631-05-0P
1234631-06-1P	1234631-07-2P	1234631-08-3P
1234631-09-4P	1234631-10-7P	1234631-11-8P
1234631-12-9P	1234631-13-0P	1234631-14-1P
1234631-15-2P	1234631-16-3P	1234631-17-4P
1234631-18-5P	1234631-19-6P	1234631-20-9P
1234631-21-0P	1234631-22-1P	1234631-23-2P
1234631-24-3P	1234631-25-4P	1234631-26-5P
1234631-27-6P	1234631-28-7P	1234631-29-8P
1234631-30-1P	1234631-31-2P	1234631-32-3P
1234631-33-4P	1234631-34-5P	1234631-35-6P
1234631-36-7P	1234631-37-8P	1234631-38-9P
1234631-39-0P	1234631-40-3P	1234631-41-4P
1234631-42-5P	1234631-43-6P	1234631-44-7P
1234631-45-8P	1234631-46-9P	1234631-47-0P
1234631-48-1P	1234631-49-2P	1234631-50-5P
1234631-51-6P	1234631-52-7P	1234631-53-8P
1234631-54-9P	1234631-55-0P	1234631-56-1P
1234631-57-2P	1234631-58-3P	1234631-59-4P
1234631-60-7P	1234631-61-8P	1234631-62-9P
1234631-63-0P	1234631-64-1P	1234631-65-2P
1234631-66-3P	1234631-67-4P	1234631-68-5P
1234631-69-6P	1234631-70-9P	1234631-71-0P
1234631-72-1P	1234631-73-2P	1234631-74-3P
1234631-75-4P	1234631-76-5P	1234631-77-6P
1234631-78-7P	1234631-79-8P	1234631-80-1P
1234631-82-3P	1234631-83-4P	1234631-84-5P
1234631-85-6P	1234631-86-7P	1234631-87-8P
1234631-88-9P	1234631-89-0P	1234631-90-3P
1234631-91-4P	1234631-92-5P	1234631-93-6P
1234631-94-7P	1234631-95-8P	1234631-96-9P
1234631-98-1P	1234632-00-8P	1234632-02-0P
1234632-04-2P	1234632-05-3P	1234632-06-4P
1234632-07-5P	1234632-08-6P	1234632-09-7P
1234632-10-0P	1234632-11-1P	1234632-12-2P
1234632-13-3P	1234632-14-4P	1234632-15-5P
1234632-16-6P	1234632-17-7P	1234632-18-8P
1234632-19-9P		

RL: PAC (Pharmacological activity); PRPH (Prophetic); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

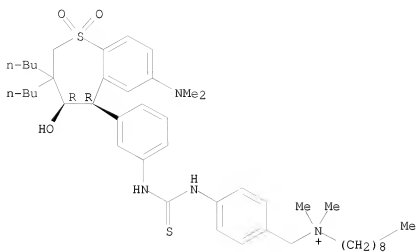
(preparation of benzothiazepine and benzothiepine compds. for prevention and treatment of hyperlipemia and lowering cholesterol)

RN 1234629-83-4 CAPLUS

CN Benzenemethanaminium, 4-[[[3-[4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-nonyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

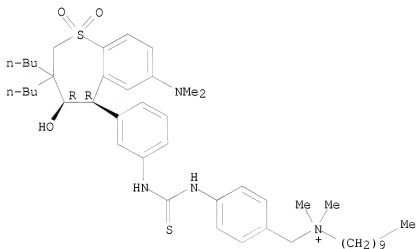
10/598,458



● Br<sup>-</sup>

RN 1234629-84-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



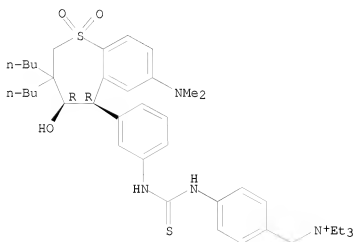
● Br<sup>-</sup>

RN 1234629-85-6 CAPLUS  
CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N,N-triethyl-, bromide (1:1), rel-

10/598,458

(CA INDEX NAME)

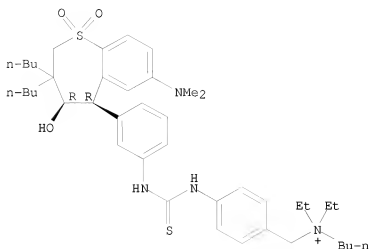
Relative stereochemistry.



RN 1234629-86-7 CAPLUS

CN Benzenemethanaminium, N-butyl-4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-diethyl-, bromide (1:1), rel- (CA INDEX NAME)

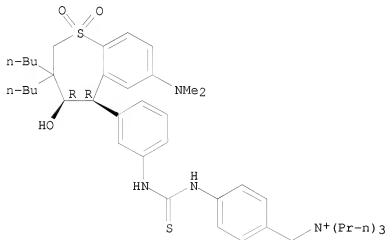
Relative stereochemistry.



● Br<sup>-</sup>

RN 1234629-87-8 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N,N-tripropyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

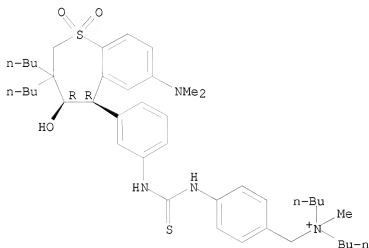


● Br<sup>-</sup>

RN 1234629-88-9 CAPLUS

CN Benzenemethanaminium, N,N-dibutyl-4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N-methyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

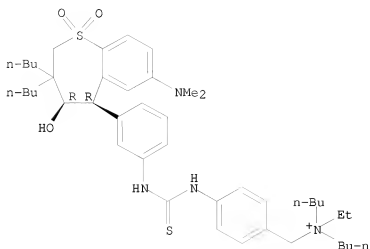


● Br<sup>-</sup>

RN 1234629-89-0 CAPLUS

CN Benzenemethanaminium, N,N-dibutyl-4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N-ethyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

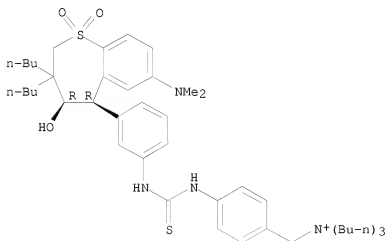


● Br<sup>-</sup>

RN 1234629-90-3 CAPLUS

CN Benzenemethanaminium, N,N,N-tributyl-4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

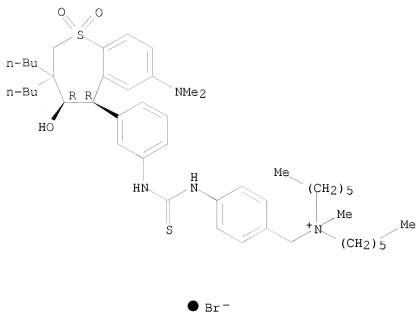


● Br<sup>-</sup>

RN 1234629-91-4 CAPLUS

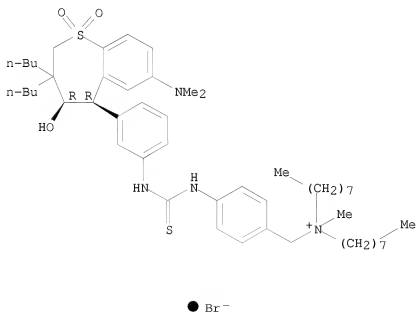
CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-





RN 1234629-93-6 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-  
 2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-  
 yl]phenyl]amino]thioxomethyl]amino]-N-methyl-N,N-dioctyl-, bromide (1:1),  
 rel- (CA INDEX NAME)

Relative stereochemistry.

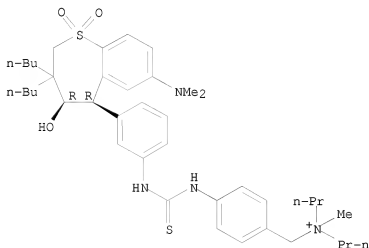


10/598,458

RN 1234629-94-7 CAPLUS

CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N-methyl-N,N-dipropyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

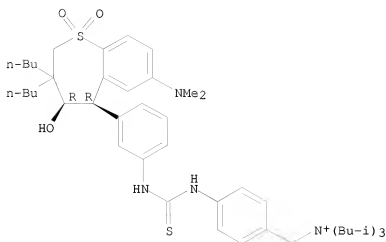


● Br<sup>-</sup>

RN 1234629-95-8 CAPLUS

CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N,N-tris(2-methylpropyl)-, bromide (1:1), rel- (CA INDEX NAME)

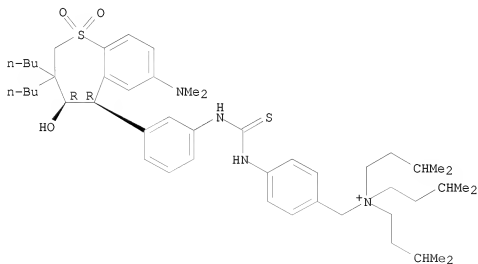
Relative stereochemistry.



RN 1234629-96-9 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N,N-tris(3-methylbutyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

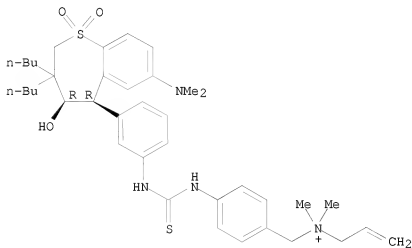
PAGE 1-A





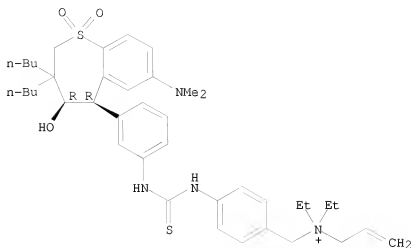
RN 1234629-97-0 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-2-propen-1-yl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.



RN 1234629-98-1 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-diethyl-N-2-propen-1-yl-, bromide (1:1), rel- (CA INDEX NAME)

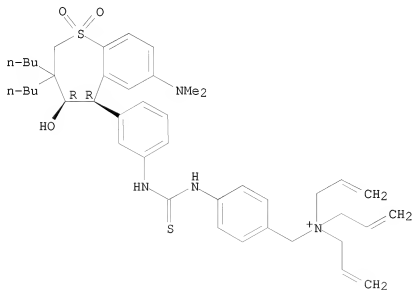
Relative stereochemistry.



RN 1234629-99-2 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-  
 2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-  
 yl]phenyl]amino]thioxomethyl]amino]-N,N,N-tri-2-propen-1-yl-, bromide  
 (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A

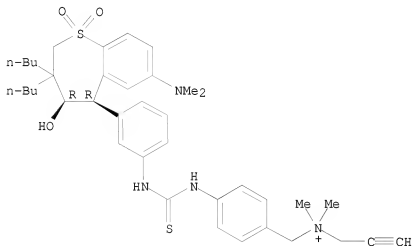




RN 1234630-00-2 CAPLUS

CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-2-propyn-1-yl-, bromide (1:1), rel- (CA INDEX NAME)

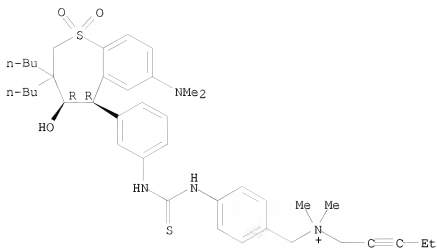
Relative stereochemistry.



RN 1234630-01-3 CAPLUS

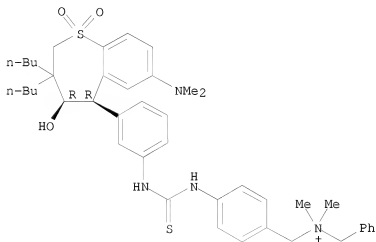
CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-2-pentyn-1-yl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

● Br<sup>-</sup>

RN 1234630-02-4 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

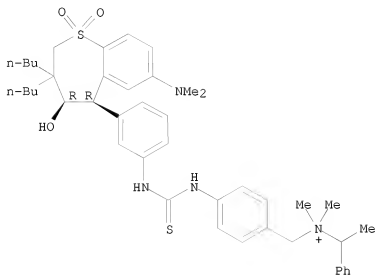
● Br<sup>-</sup>

RN 1234630-03-5 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

10/598,458

Relative stereochemistry.

PAGE 1-A



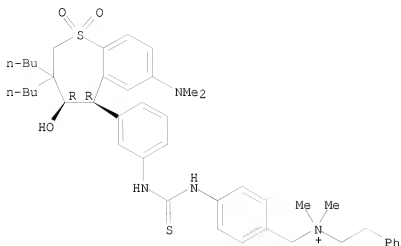
PAGE 2-A



RN 1234630-04-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

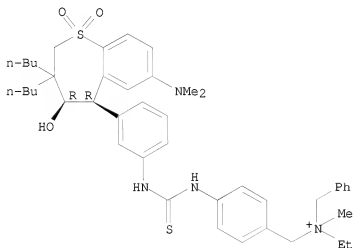
10/598,458



● Br<sup>-</sup>

RN 1234630-05-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



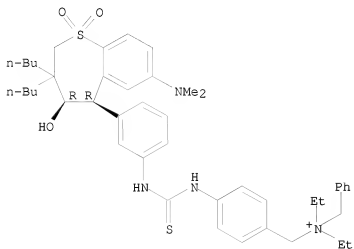
● Br<sup>-</sup>

RN 1234630-06-8 CAPLUS  
CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-diethyl-N-(phenylmethyl)-, bromide

10/598,458

(1:1), rel- (CA INDEX NAME)

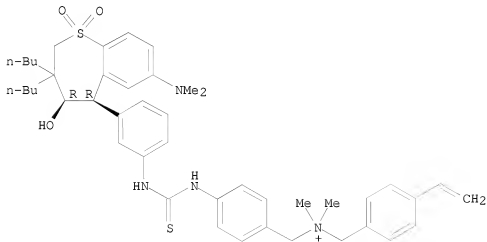
Relative stereochemistry.



● Br<sup>-</sup>

RN 1234630-07-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



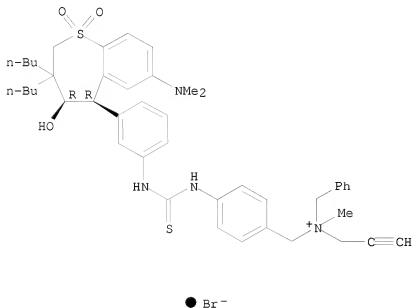
● Br<sup>-</sup>

RN 1234630-08-0 CAPLUS

10/598,458

CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N-methyl-N-(phenylmethyl)-N-2-propyn-1-yl-, bromide (1:1), rel- (CA INDEX NAME)

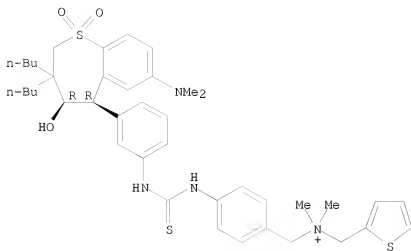
Relative stereochemistry.



RN 1234630-09-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

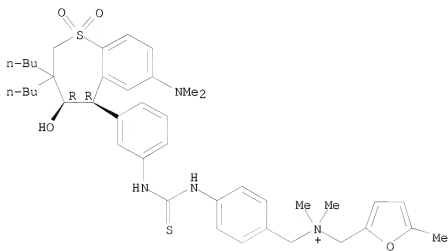
10/598,458



● Br<sup>-</sup>

RN 1234630-10-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

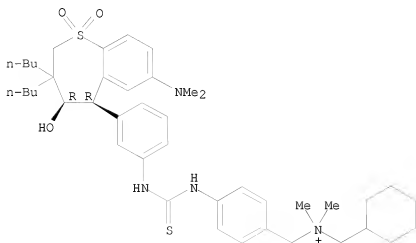


● Br<sup>-</sup>

RN 1234630-11-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

10/598,458

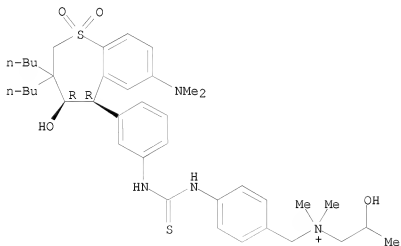
Relative stereochemistry.



● Br<sup>-</sup>

RN 1234630-12-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

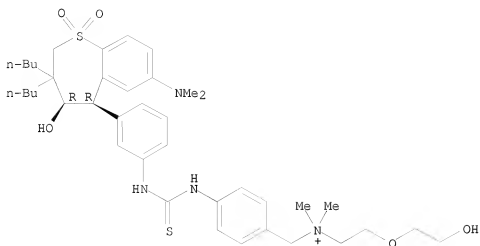


● Br<sup>-</sup>

RN 1234630-13-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

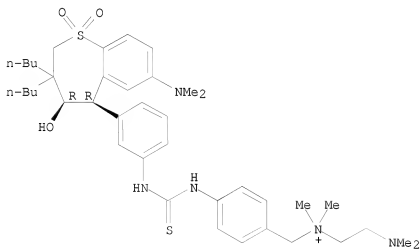
10/598,458



● Br<sup>-</sup>

RN 1234630-14-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

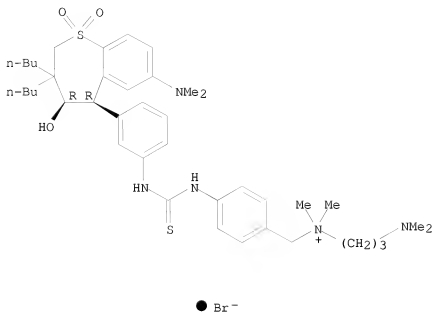


● Br<sup>-</sup>

RN 1234630-15-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

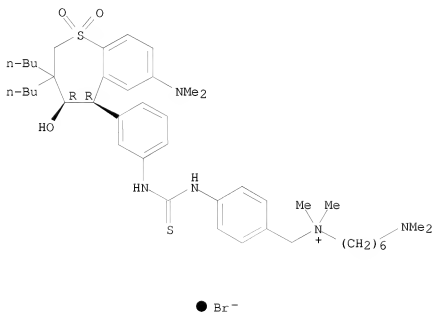
Relative stereochemistry.

10/598,458



RN 1234630-16-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

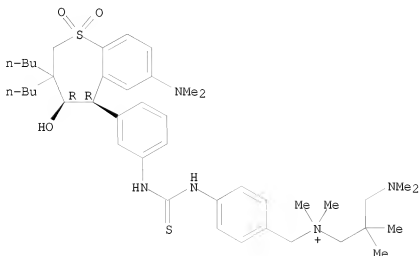
Relative stereochemistry.



RN 1234630-17-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



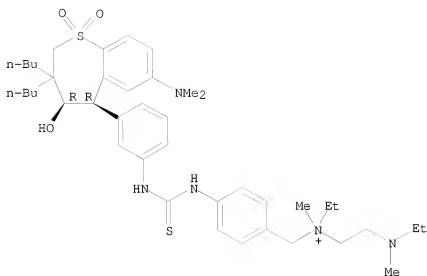
PAGE 2-A



RN 1234630-18-2 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-  
 2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-  
 yl]phenyl]amino]thioxomethyl]amino]-N-ethyl-N-[2-(ethylmethylamino)ethyl]-  
 N-methyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



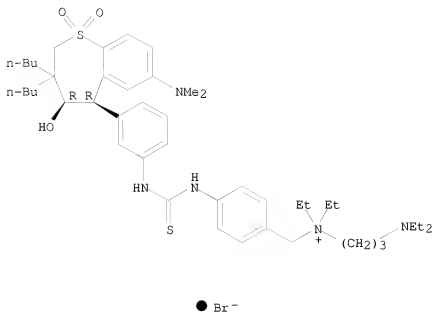
PAGE 2-A



RN 1234630-19-3 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-  
 2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-  
 yl]phenyl]amino]thioxomethyl]amino]-N-[3-(diethylamino)propyl]-N,N-diethyl-  
 , bromide (1:1), rel- (CA INDEX NAME)

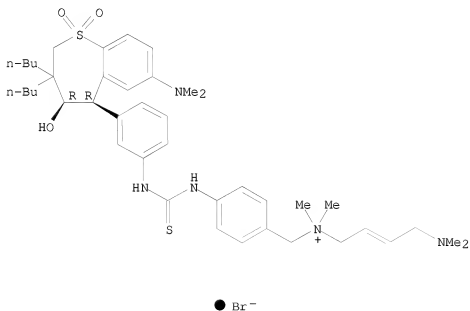
Relative stereochemistry.

10/598,458



RN 1234630-20-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.  
Double bond geometry unknown.

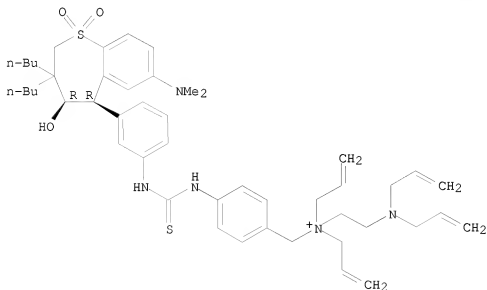


RN 1234630-21-7 CAPLUS  
CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-

2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N-[2-(di-2-propen-1-ylamino)ethyl]-N,N-di-2-propen-1-yl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



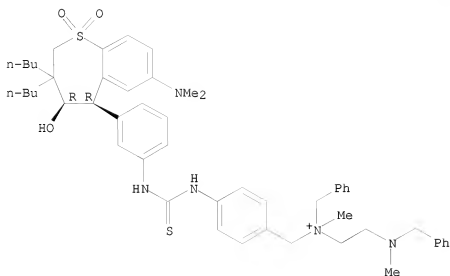
PAGE 2-A



RN	1234630-22-8	CAPLUS
CN	Benzenetethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N-methyl-N-[2-(methyl(phenylmethyl)amino)ethyl]-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)	

Relative stereochemistry.

PAGE 1-A

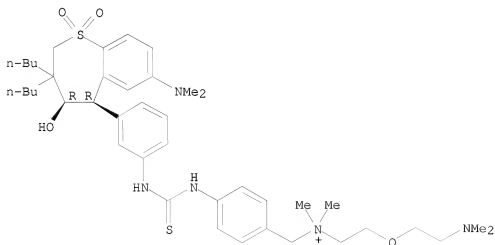


PAGE 2-A



RN 1234630-23-9 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

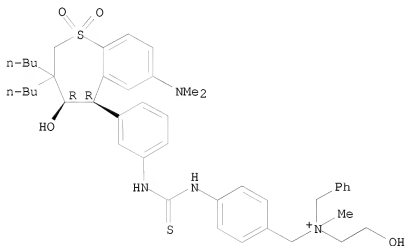
Relative stereochemistry.



10/598,458

RN 1234630-24-0 CAPLUS  
CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-  
2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-  
yl]phenylamino]thioxomethylaminol-N-(2-hydroxyethyl)-N-methyl-N-  
(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

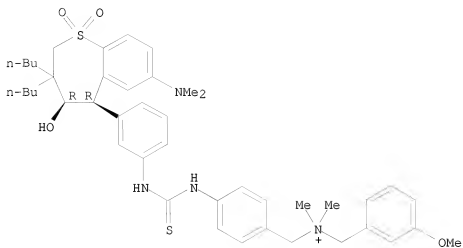
Relative stereochemistry.



RN 1234630-25-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

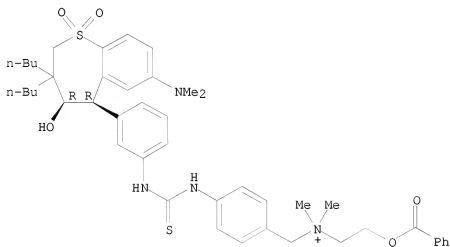
10/598,458



● Br<sup>-</sup>

RN 1234630-26-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

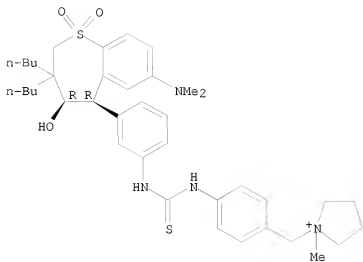


● Br<sup>-</sup>

RN 1234630-27-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



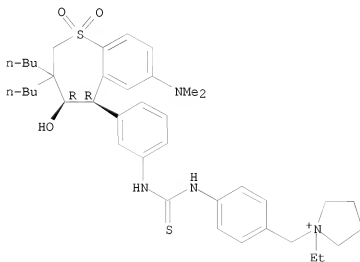
PAGE 2-A



RN 1234630-28-4 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



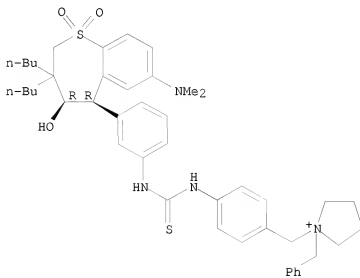
PAGE 2-A



RN 1234630-29-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



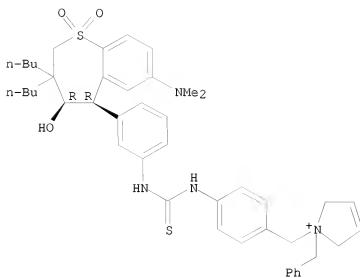
PAGE 2-A



RN 1234630-30-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



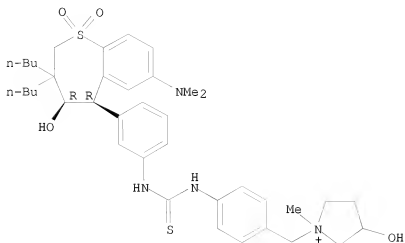
PAGE 2-A



RN 1234630-31-9 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

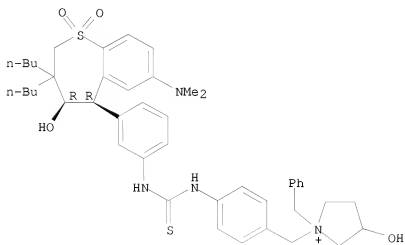
Relative stereochemistry.

10/598,458



RN 1234630-32-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

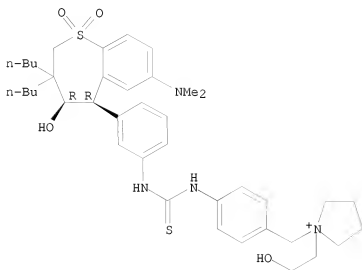


RN 1234630-33-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

10/598,458

Relative stereochemistry.

PAGE 1-A



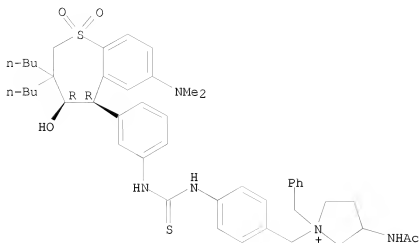
PAGE 2-A



RN 1234630-34-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

10/598,458

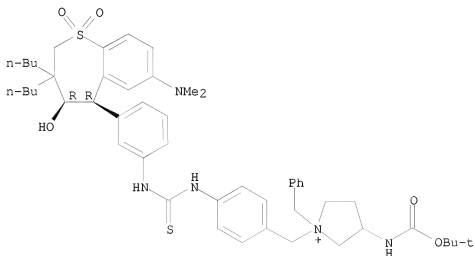


● Br<sup>-</sup>

RN 1234630-35-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

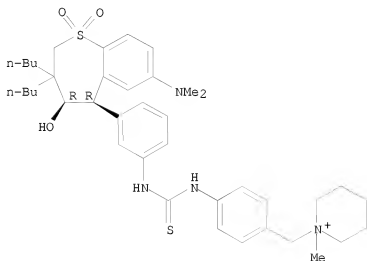
● Br<sup>-</sup>

10/598,458

RN 1234630-36-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



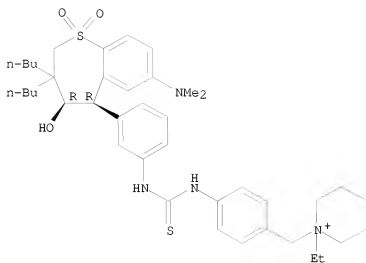
PAGE 2-A



RN 1234630-37-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



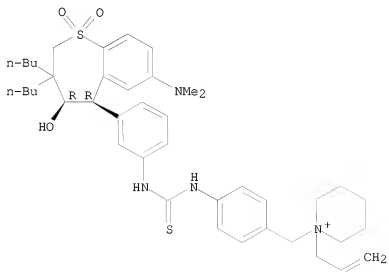
PAGE 2-A



RN 1234630-38-6 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



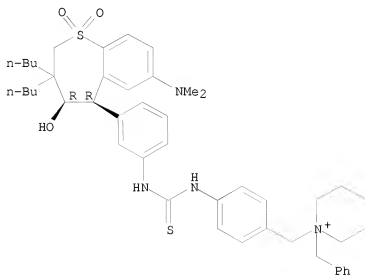
PAGE 2-A



RN 1234630-39-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



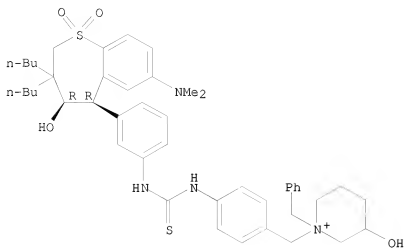
PAGE 2-A



RN 1234630-40-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

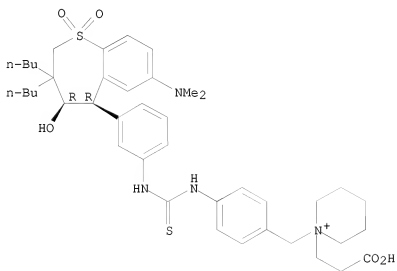
10/598,458



RN 1234630-41-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

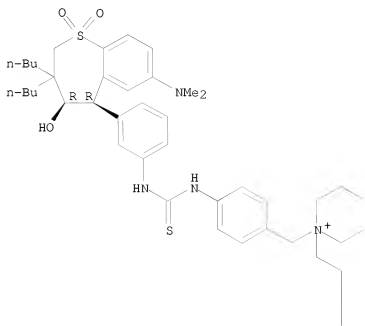


10/598,458

RN 1234630-42-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



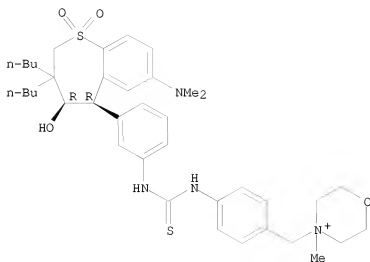
PAGE 2-A



RN 1234630-43-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



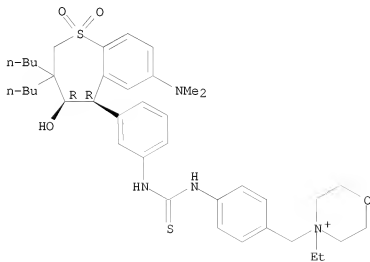
PAGE 2-A



RN 1234630-44-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



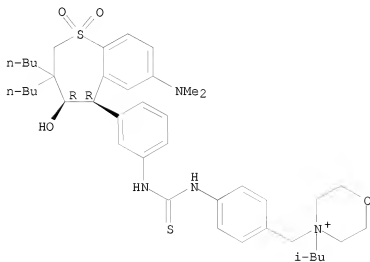
PAGE 2-A



RN 1234630-45-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



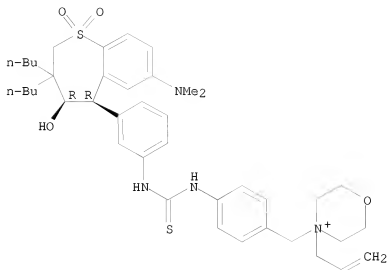
PAGE 2-A



RN 1234630-46-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A

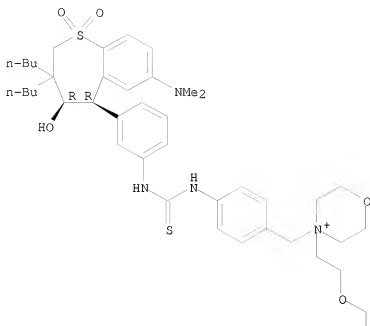


PAGE 2-A



RN 1234630-47-7 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

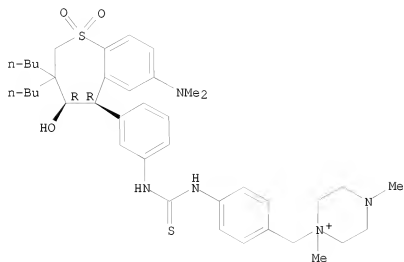
Relative stereochemistry.



RN 1234630-48-8 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



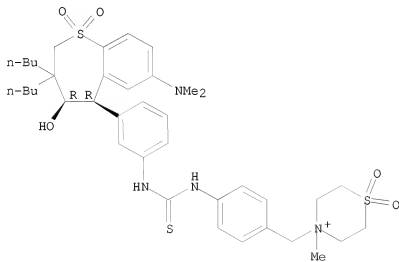
PAGE 2-A



RN 1234630-49-9 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



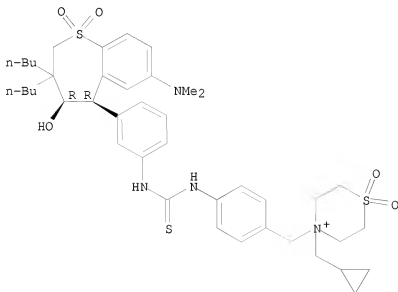
PAGE 2-A



RN 1234630-50-2 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



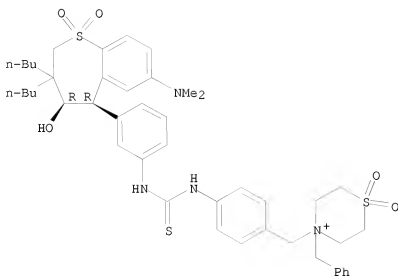
PAGE 2-A



RN 1234630-51-3 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



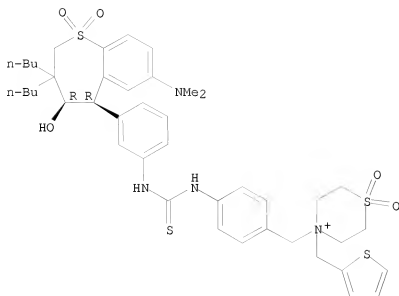
PAGE 2-A



RN 1234630-52-4 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



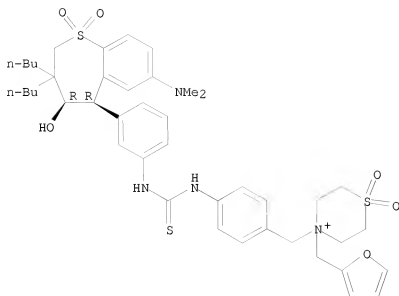
PAGE 2-A



RN 1234630-53-5 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



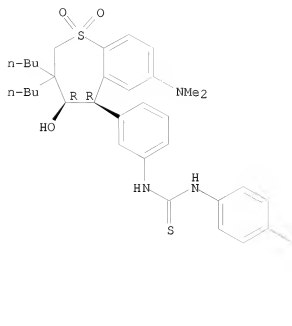
PAGE 2-A



RN 1234630-54-6 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



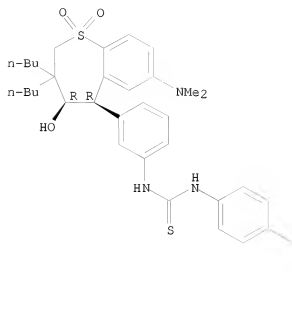
PAGE 2-A



RN 1234630-55-7 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



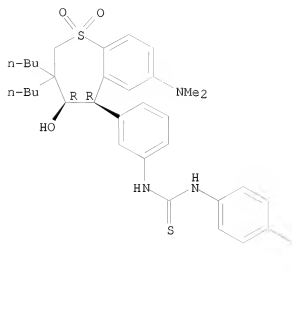
PAGE 2-A



RN 1234630-56-8 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



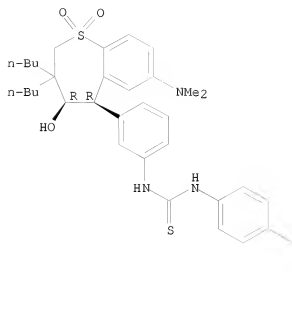
PAGE 2-A



RN 1234630-57-9 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A

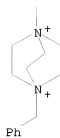
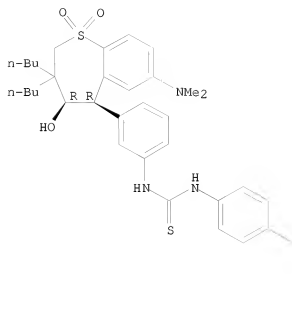


PAGE 2-A



RN 1234630-58-0 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

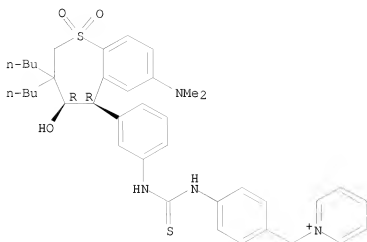


● 2 Br<sup>-</sup>

RN 1234630-59-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

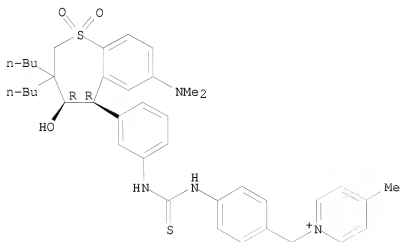
10/598,458



● Br<sup>-</sup>

RN 1234630-60-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

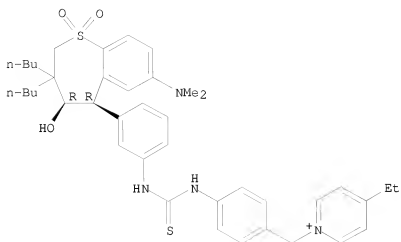


● Br<sup>-</sup>

RN 1234630-61-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

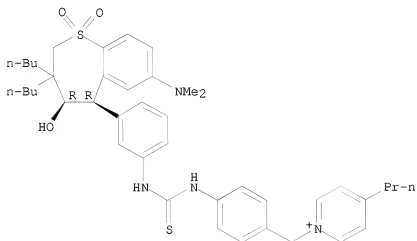
Relative stereochemistry.

10/598,458



RN 1234630-62-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

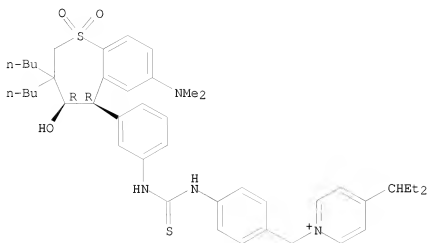
Relative stereochemistry.



RN 1234630-63-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

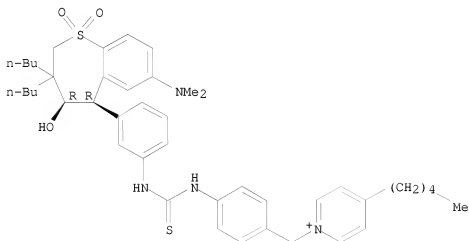
Relative stereochemistry.

10/598,458



RN 1234630-64-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

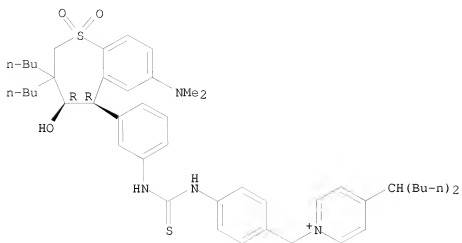
Relative stereochemistry.



RN 1234630-65-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

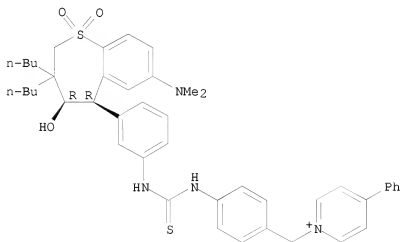
10/598,458



● Br<sup>-</sup>

RN 1234630-66-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

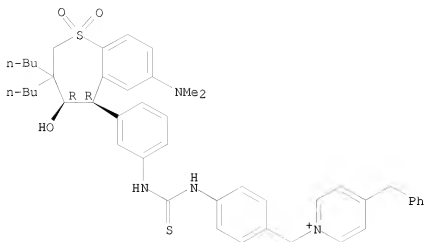


● Br<sup>-</sup>

RN 1234630-67-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

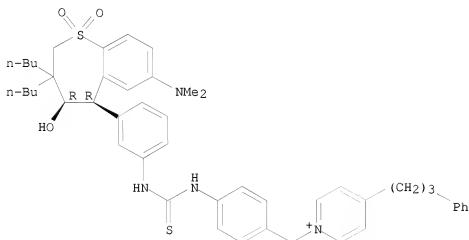
Relative stereochemistry.

10/598,458



RN 1234630-68-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



RN 1234630-69-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.  
Double bond geometry unknown.



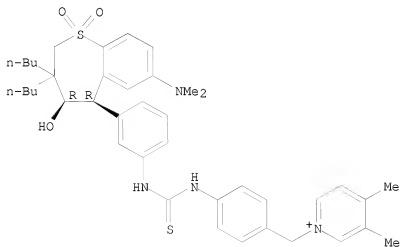




10/598,458

RN 1234630-75-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

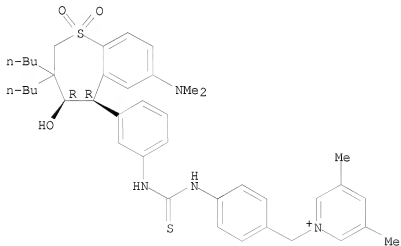
Relative stereochemistry.



● Br<sup>-</sup>

RN 1234630-76-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



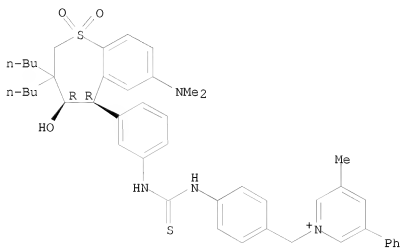
● Br<sup>-</sup>

RN 1234630-77-3 CAPLUS

10/598,458

CN INDEX NAME NOT YET ASSIGNED

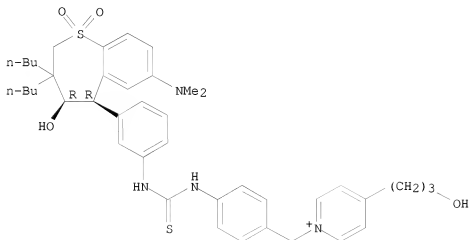
Relative stereochemistry.



RN 1234630-78-4 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

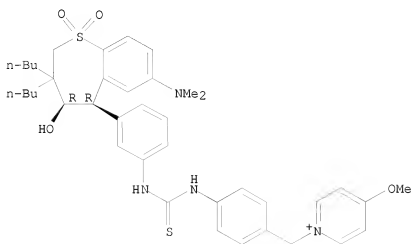


RN 1234630-79-5 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

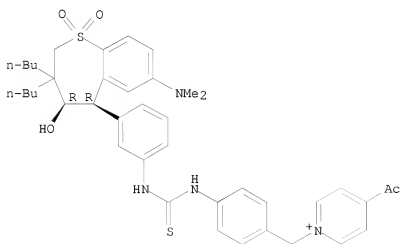
10/598,458

Relative stereochemistry.



RN 1234630-80-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

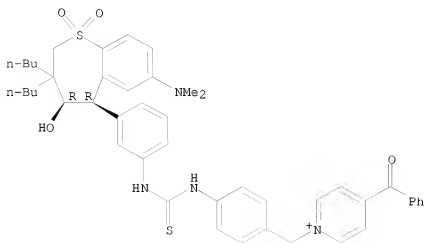
Relative stereochemistry.



RN 1234630-81-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

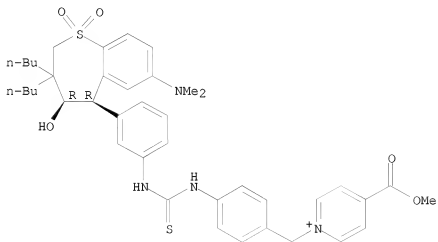
10/598,458

Relative stereochemistry.



RN 1234630-82-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

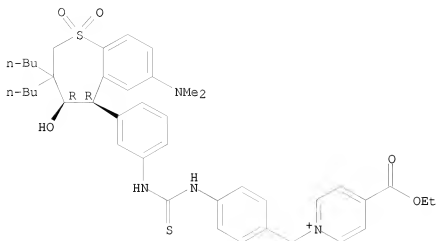
Relative stereochemistry.



RN 1234630-83-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

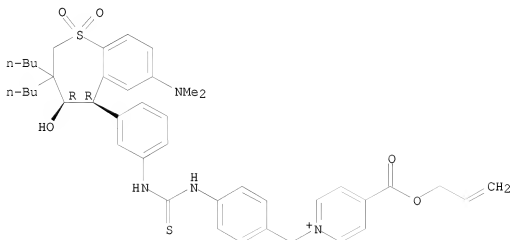
10/598,458



● Br<sup>-</sup>

RN 1234630-84-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

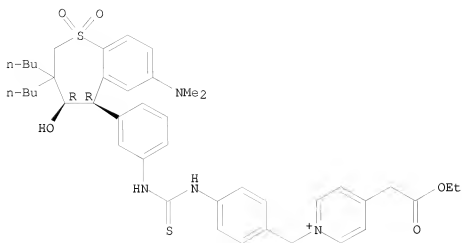


● Br<sup>-</sup>

RN 1234630-85-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

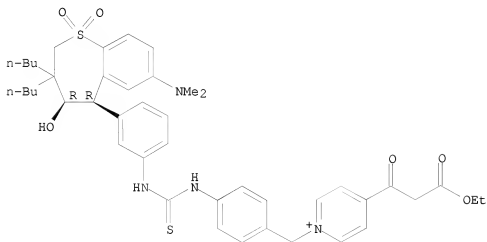
Relative stereochemistry.

10/598,458



RN 1234630-86-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

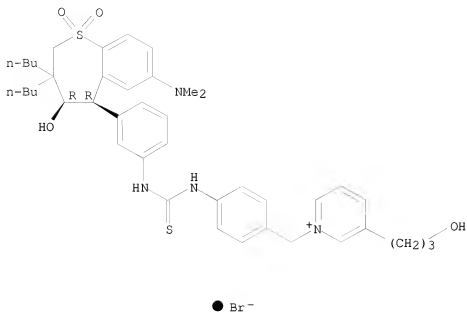
Relative stereochemistry.



RN 1234630-87-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

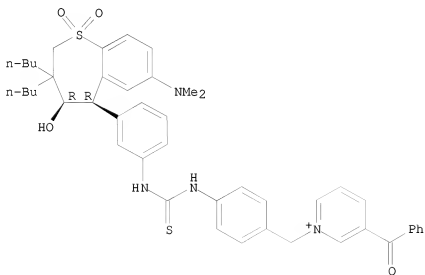
10/598,458



RN 1234630-88-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



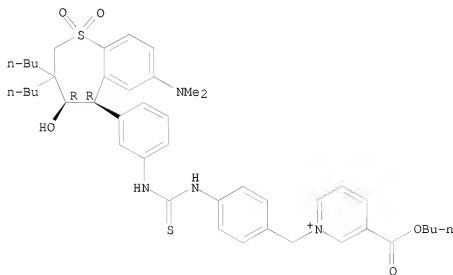
PAGE 2-A



RN 1234630-89-7 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



PAGE 2-A



RN 1234630-90-0 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

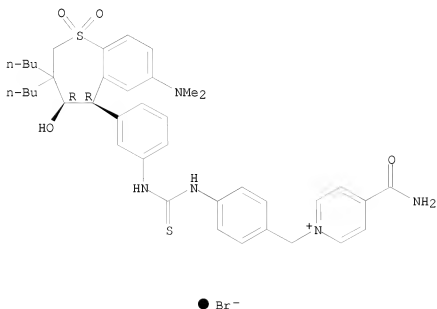
Relative stereochemistry.



10/598,458

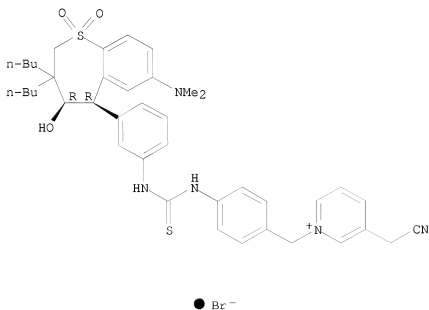
RN 1234630-92-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



RN 1234630-93-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

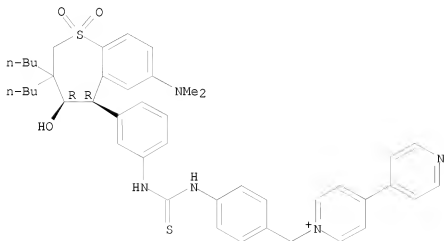


10/598,458

RN 1234630-94-4 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

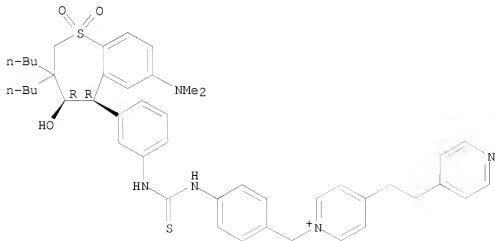
Relative stereochemistry.



RN 1234630-95-5 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

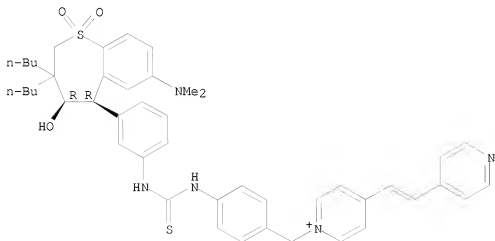


RN 1234630-96-6 CAPLUS

10/598,458

CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.  
Double bond geometry unknown.

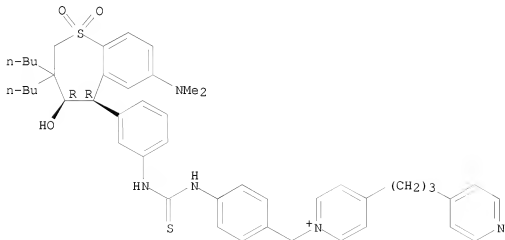


● Br<sup>-</sup>

RN 1234630-97-7 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



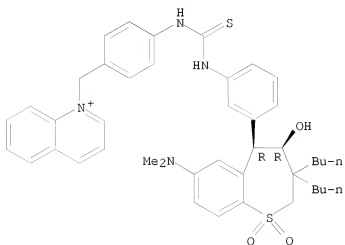
● Br<sup>-</sup>

RN 1234630-98-8 CAPLUS

10/598,458

CN INDEX NAME NOT YET ASSIGNED

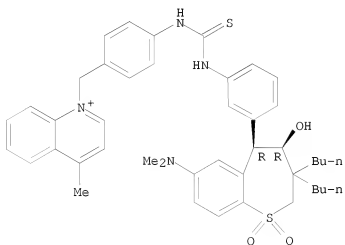
Relative stereochemistry.



RN 1234630-99-9 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

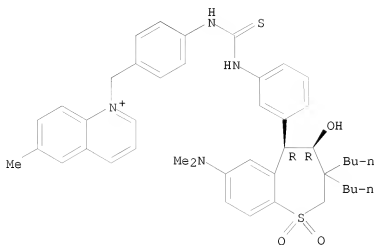


RN 1234631-00-5 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

10/598,458

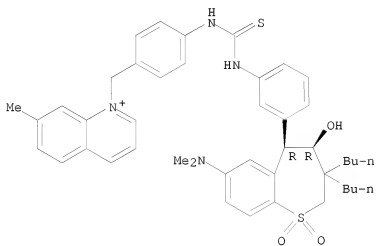
Relative stereochemistry.



● Br<sup>-</sup>

RN 1234631-01-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

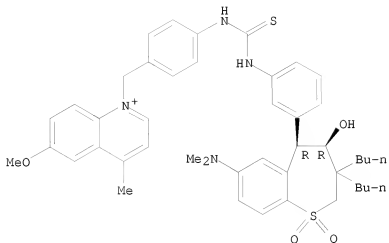
Relative stereochemistry.



● Br<sup>-</sup>

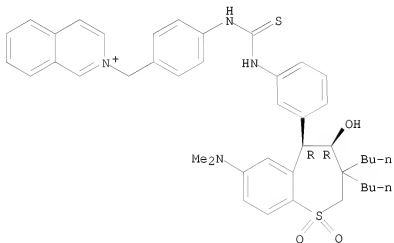
RN 1234631-02-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED





RN 1234631-05-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

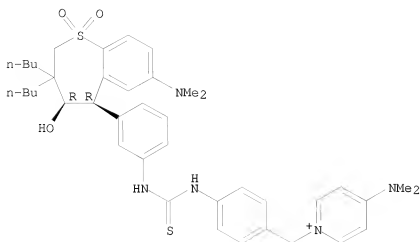
Relative stereochemistry.



RN 1234631-06-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

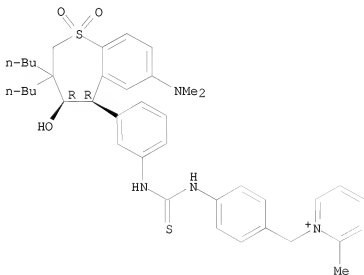
10/598,458



RN 1234631-07-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



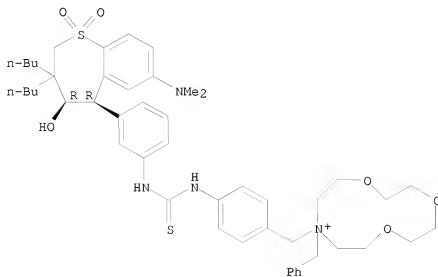
PAGE 2-A

10/598,458

RN 1234631-08-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A

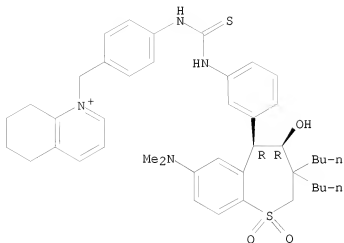


PAGE 2-A



RN 1234631-09-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

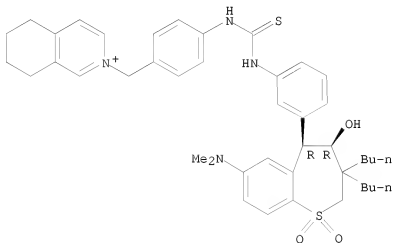
Relative stereochemistry.



● Br<sup>-</sup>

RN 1234631-10-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

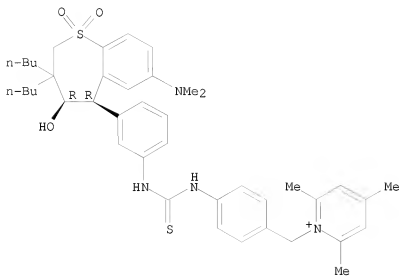


● Br<sup>-</sup>

RN 1234631-11-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A

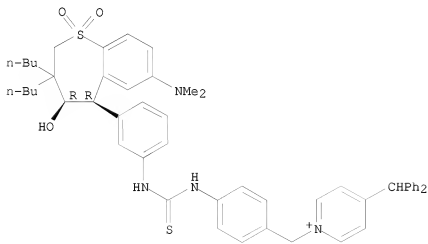


PAGE 2-A



RN 1234631-12-9 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



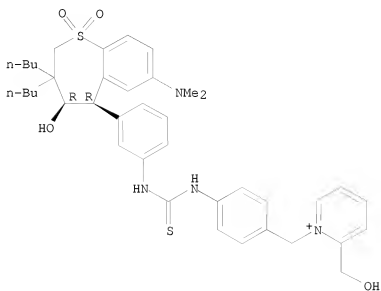


10/598,458

CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

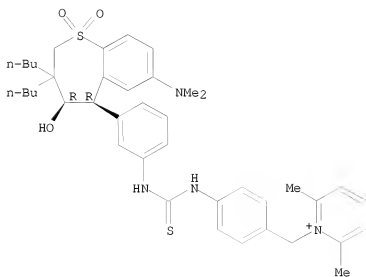


RN 1234631-16-3 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



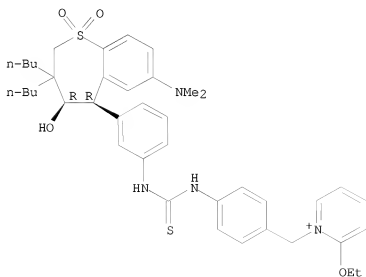
PAGE 2-A



RN 1234631-17-4 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

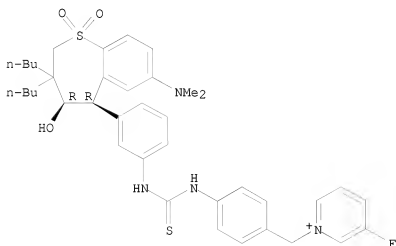
PAGE 1-A





RN 1234631-18-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

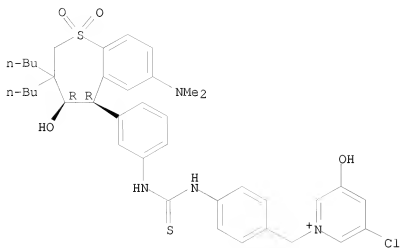
Relative stereochemistry.



RN 1234631-19-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

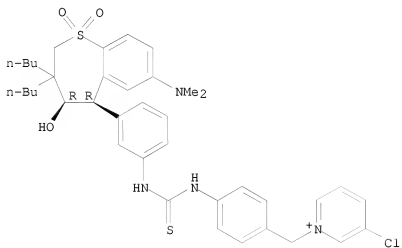
Relative stereochemistry.

10/598,458



RN 1234631-20-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



RN 1234631-21-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

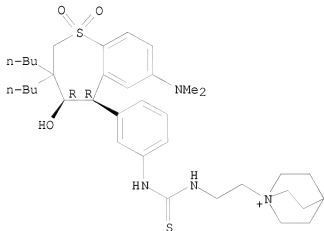


10/598,458

RN 1234631-23-2 CAPLUS

CN 1-Azoniabicyclo[2.2.2]octane, 1-[2-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]ethyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

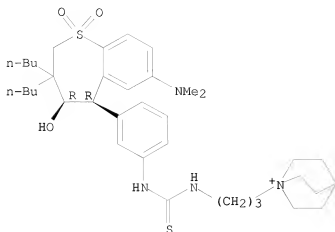


● Br<sup>-</sup>

RN 1234631-24-3 CAPLUS

CN 1-Azoniabicyclo[2.2.2]octane, 1-[3-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]propyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

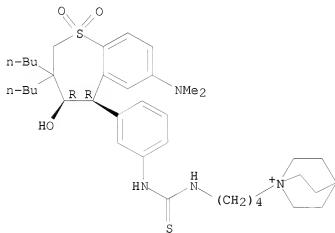


● Br<sup>-</sup>

RN 1234631-25-4 CAPLUS

CN 1-Azoniabicyclo[2.2.2]octane, 1-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]butyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.



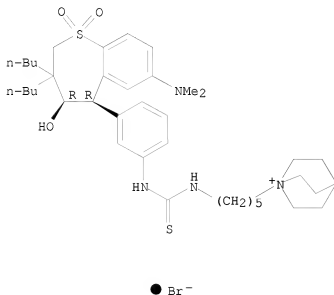
● Br<sup>-</sup>

RN 1234631-26-5 CAPLUS

CN 1-Azoniabicyclo[2.2.2]octane, 1-[5-[[[3-[(4R,5R)-3,3-dibutyl-7-

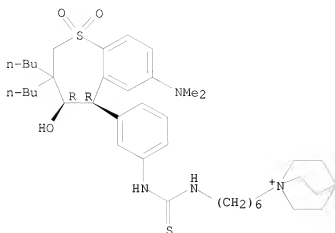
(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]pentyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.



RN 1234631-27-6 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[6-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]hexyl]-, bromide (1:1), rel- (CA INDEX NAME)

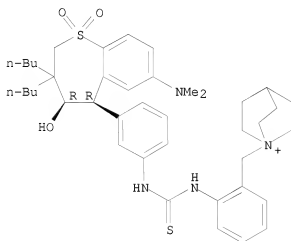
Relative stereochemistry.



● Br<sup>-</sup>

RN 1234631-28-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

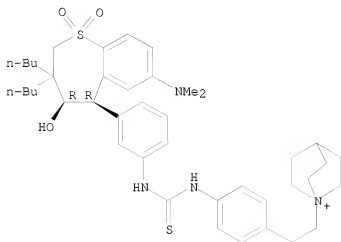


● Br<sup>-</sup>

RN 1234631-29-8 CAPLUS  
CN 1-Azoniabicyclo[2.2.2]octane, 1-[2-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]phenyl]ethyl]-, bromide (1:1), rel- (CA INDEX NAME)

10/598,458

Relative stereochemistry.



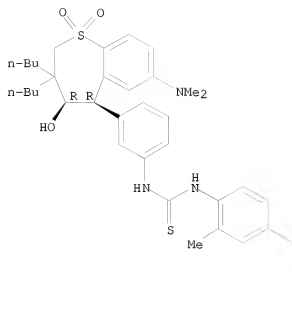
● Br<sup>-</sup>

RN 1234631-30-1 CAPLUS

CN 1-Azoniabicyclo[2.2.2]octane, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-methylphenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



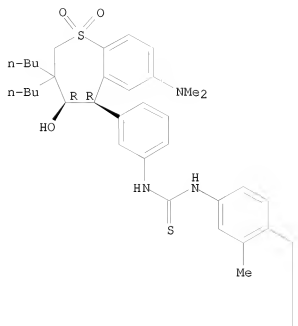
PAGE 2-A



RN 1234631-31-2 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-methylphenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



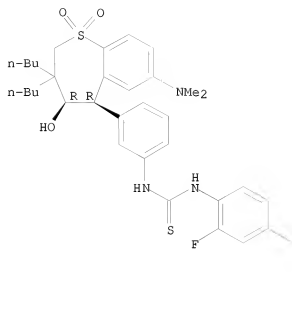
PAGE 2-A



RN 1234631-32-3 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-fluorophenyl)methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



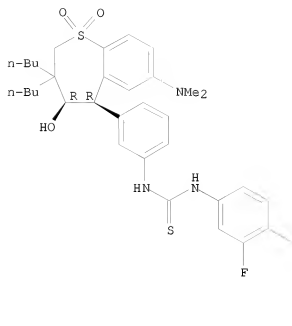
PAGE 2-A



RN 1234631-33-4 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-fluorophenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



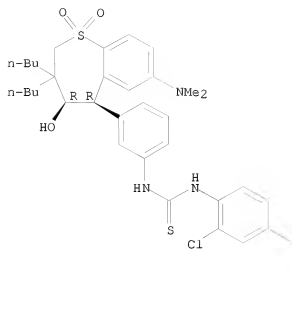
PAGE 2-A



RN 1234631-34-5 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



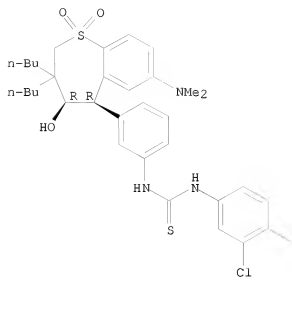
PAGE 2-A



RN 1234631-35-6 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



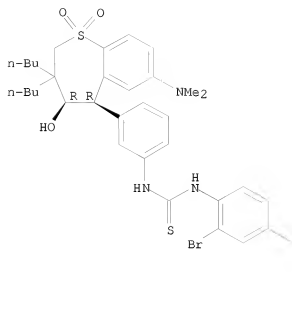
PAGE 2-A



RN 1234631-36-7 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



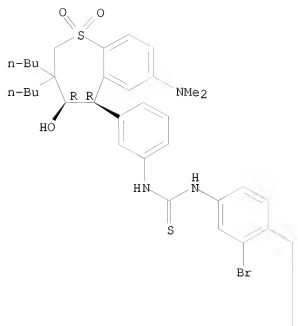
PAGE 2-A



RN 1234631-37-8 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



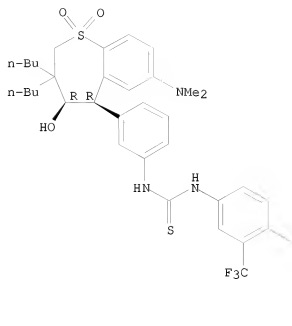
PAGE 2-A



RN 1234631-38-9 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-(trifluoromethyl)phenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



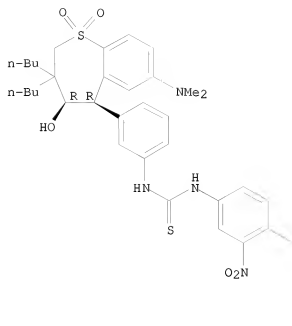
PAGE 2-A



RN 1234631-39-0 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-nitrophenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



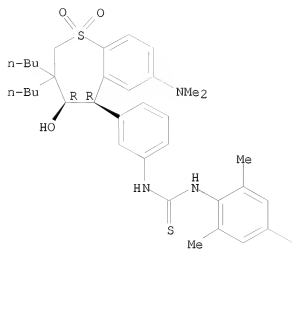
PAGE 2-A



RN 1234631-40-3 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3,5-dimethylphenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



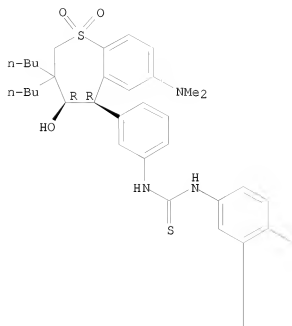
PAGE 2-A



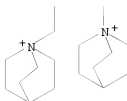
RN 1234631-41-4 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



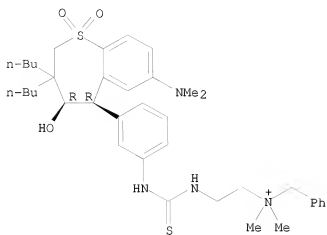
PAGE 2-A

● 2 Br<sup>-</sup>

RN 1234631-42-5 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

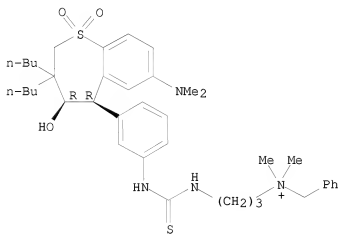
10/598,458



● Br<sup>-</sup>

RN 1234631-43-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

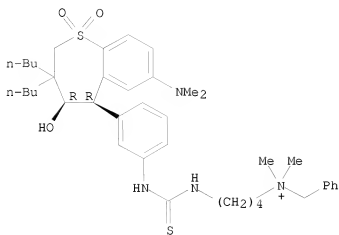


● Br<sup>-</sup>

RN 1234631-44-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

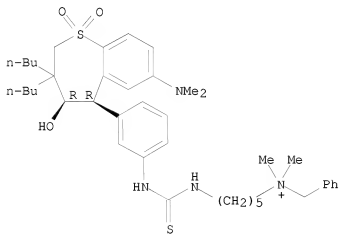
Relative stereochemistry.

10/598,458



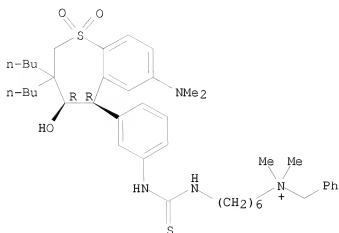
RN 1234631-45-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



RN 1234631-46-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

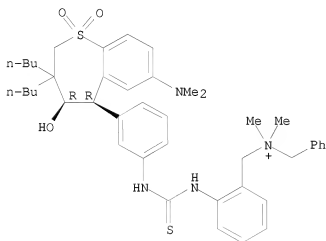
Relative stereochemistry.



● Br<sup>-</sup>

RN 1234631-47-0 CAPLUS  
 CN Benzenemethanaminium, 2-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.



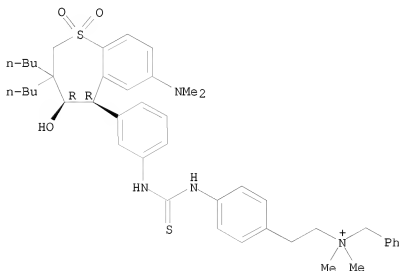
● Br<sup>-</sup>

RN 1234631-48-1 CAPLUS  
 CN Benzeneethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A

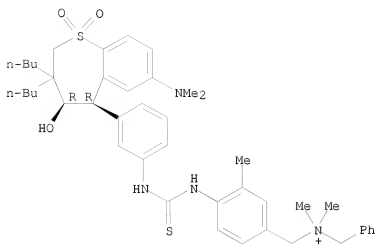


PAGE 2-A



RN 1234631-49-2 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N,3-trimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

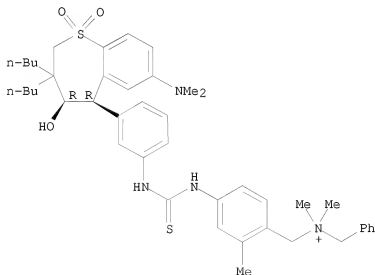


RN 1234631-50-5 CAPLUS

CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N,2-trimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

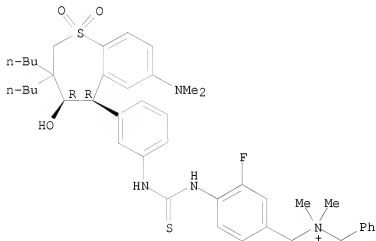
PAGE 1-A





RN 1234631-51-6 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-fluoro-N,N-dimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

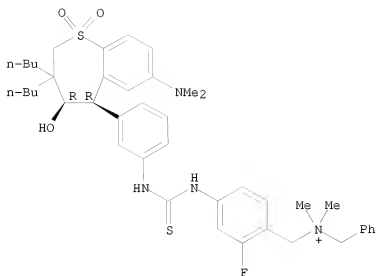
Relative stereochemistry.



RN 1234631-52-7 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-fluoro-N,N-dimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A

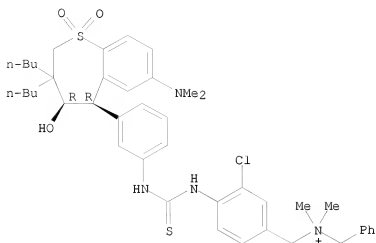


PAGE 2-A



RN 1234631-53-8 CAPLUS  
 CN Benzenemethanaminium, 3-chloro-4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

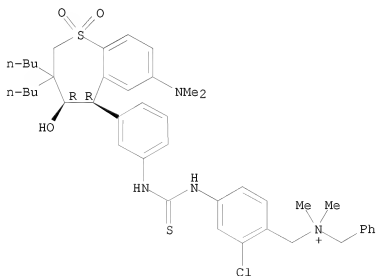


RN 1234631-54-9 CAPLUS

CN Benzenemethanaminium, 2-chloro-4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

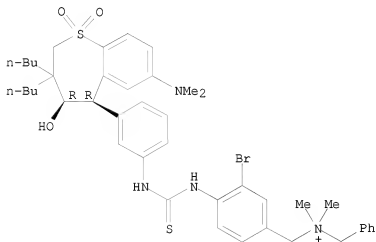
PAGE 1-A





RN 1234631-55-0 CAPLUS  
 CN Benzenemethanaminium, 3-bromo-4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

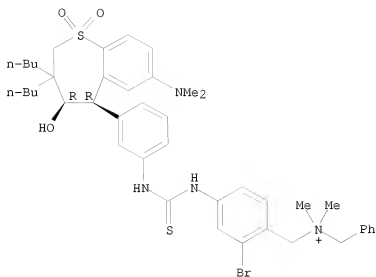
Relative stereochemistry.



RN 1234631-56-1 CAPLUS  
 CN Benzenemethanaminium, 2-bromo-4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



PAGE 2-A



```

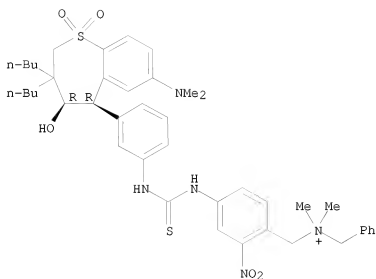
RN      1234631-57-2    CAPLUS
CN      Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-
        2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-
        yl]phenyl]amino]thioxomethyl]amino]-N,N-dimethyl-N-(phenylmethyl)-2-
        (trifluoromethyl)-, bromide (1:1), rel- (CA INDEX NAME)

```

Relative stereochemistry.



PAGE 1-A

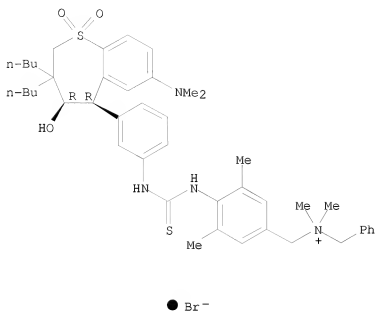


PAGE 2-A



RN 1234631-59-4 CAPLUS  
 CN Benzenemethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N,3,5-tetramethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

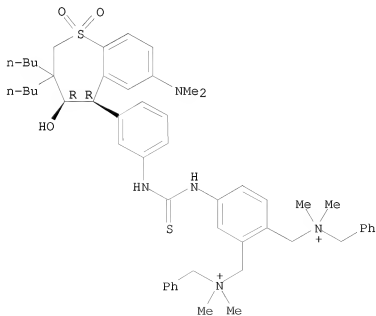


RN 1234631-60-7 CAPLUS

CN 1,2-Benzenedimethanaminium, 4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N1,N1,N2,N2-tetramethyl-N1,N2-bis(phenylmethyl)-, bromide (1:2), rel- (CA INDEX NAME)

Relative stereochemistry.

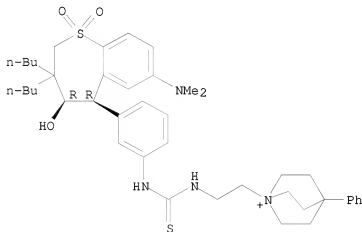
PAGE 1-A



● 2 Br<sup>-</sup>

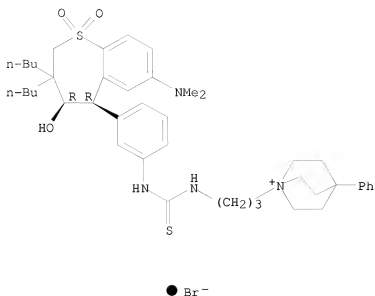
RN 1234631-61-8 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[2-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]ethyl]-4-phenyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

● Br<sup>-</sup>

RN 1234631-62-9 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[3-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]propyl]-4-phenyl-, bromide (1:1), rel- (CA INDEX NAME)

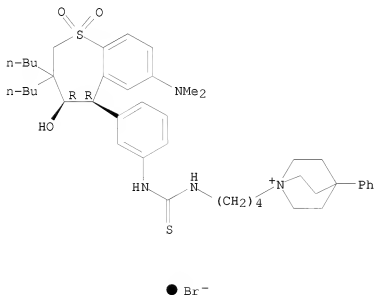
Relative stereochemistry.



RN 1234631-63-0 CAPLUS

CN 1-Azoniabicyclo[2.2.2]octane, 1-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]butyl]-4-phenyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

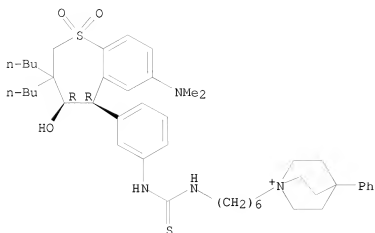


RN 1234631-64-1 CAPLUS

CN 1-Azoniabicyclo[2.2.2]octane, 1-[5-[[[3-[(4R,5R)-3,3-dibutyl-7-



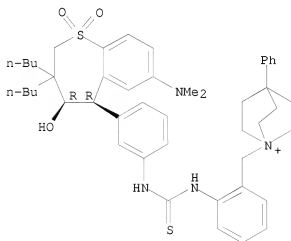
10/598,458



● Br<sup>-</sup>

RN 1234631-66-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

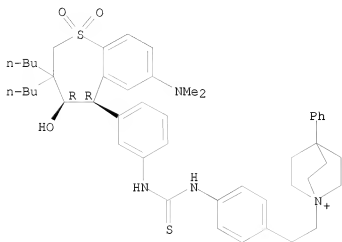
Relative stereochemistry.



● Br<sup>-</sup>

RN 1234631-67-4 CAPLUS  
CN 1-Azoniabicyclo[2.2.2]octane, 1-[2-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]phenyl]ethyl]-4-phenyl-, bromide (1:1), rel- (CA INDEX NAME)

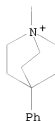
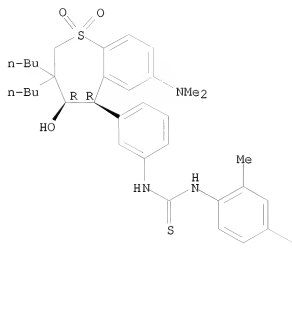
Relative stereochemistry.

● Br<sup>-</sup>

RN 1234631-68-5 CAPLUS

CN 1-Azoniabicyclo[2.2.2]octane, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-methylphenyl]methyl]-4-phenyl-, bromide (1:1), rel- (CA INDEX NAME)

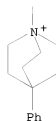
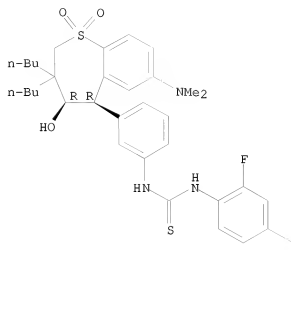
Relative stereochemistry.



RN 1234631-69-6 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-methylphenyl]methyl]-4-phenyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

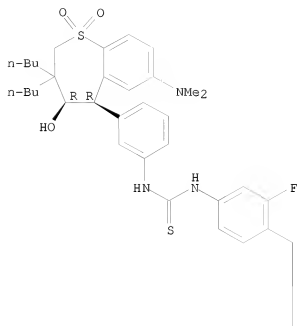




RN 1234631-71-0 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-fluorophenyl]methyl]-4-phenyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



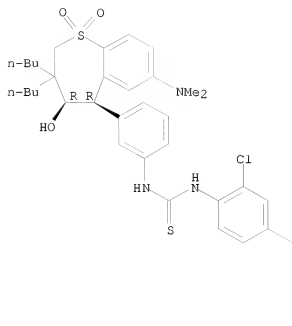
PAGE 2-A



RN 1234631-72-1 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



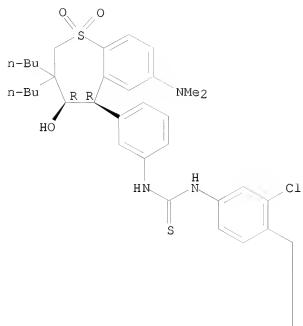
PAGE 2-A



RN 1234631-73-2 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



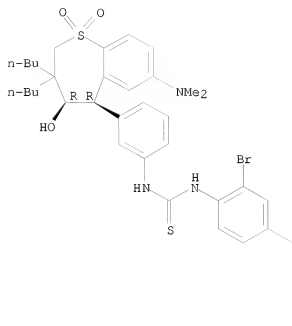
PAGE 2-A



RN 1234631-74-3 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A

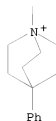
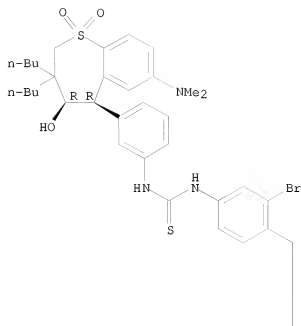


PAGE 2-A



RN 1234631-75-4 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

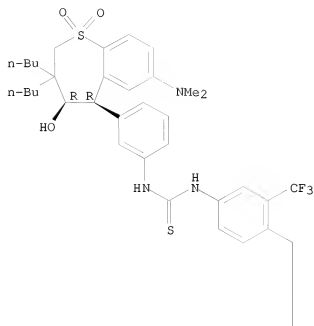
Relative stereochemistry.



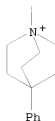
RN 1234631-76-5 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-(trifluoromethyl)phenyl]methyl]-4-phenyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A

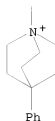
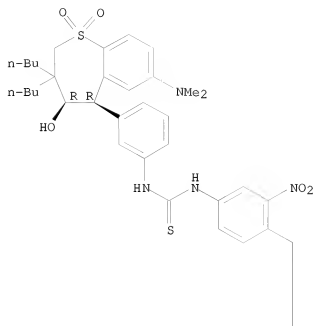


PAGE 2-A



RN 1234631-77-6 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-nitrophenyl]methyl]-4-phenyl-, bromide (1:1), rel- (CA INDEX NAME)

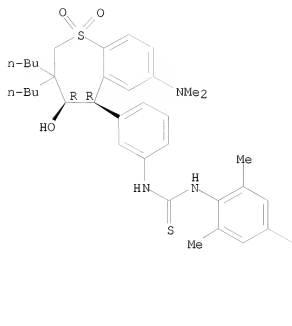
Relative stereochemistry.



RN 1234631-78-7 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3,5-dimethylphenyl]methyl]-4-phenyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A

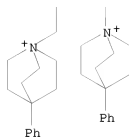
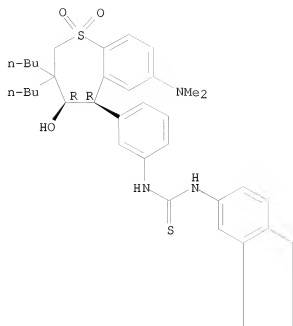


PAGE 2-A



RN 1234631-79-8 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

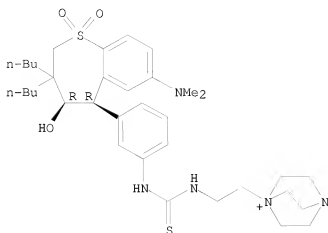
Relative stereochemistry.



● 2 Br<sup>-</sup>

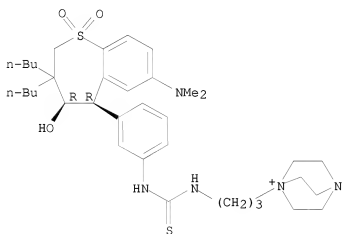
RN 1234631-80-1 CAPLUS  
 CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
 1-[2-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-  
 hydroxy-1,1-dioxido-1-benzothiepin-5-  
 yl]phenyl]amino]thioxomethyl]amino]ethyl]-, bromide (1:1), rel- (CA INDEX  
 NAME)

Relative stereochemistry.



RN 1234631-82-3 CAPLUS  
 CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
 1-[3-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-  
 hydroxy-1,1-dioxido-1-benzothiepin-5-  
 yl]phenyl]amino]thioxomethyl]amino]propyl]-, bromide (1:1), rel- (CA  
 INDEX NAME)

Relative stereochemistry.

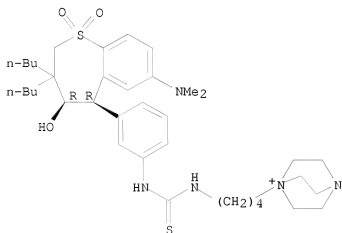


RN 1234631-83-4 CAPLUS

10/598,458

CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
1-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-  
hydroxy-1,1-dioxido-1-benzothiepin-5-  
yl]phenyl]amino]thioxomethyl]amino]butyl]-, bromide (1:1), rel- (CA INDEX  
NAME)

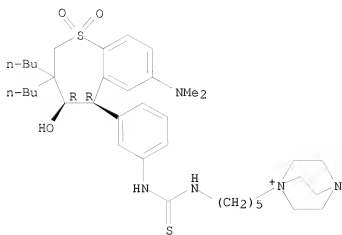
Relative stereochemistry.



● Br<sup>-</sup>

RN 1234631-84-5 CAPLUS  
CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
1-[5-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-  
hydroxy-1,1-dioxido-1-benzothiepin-5-  
yl]phenyl]amino]thioxomethyl]amino]pentyl]-, bromide (1:1), rel- (CA  
INDEX NAME)

Relative stereochemistry.

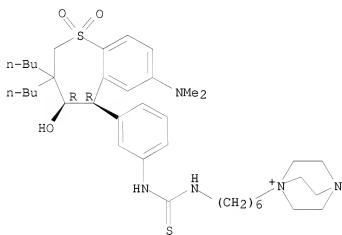


● Br<sup>-</sup>

RN 1234631-85-6 CAPLUS

CN 4-Aza-1-azoniabicyclo[2.2.2]octane, 1-[6-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]hexyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.



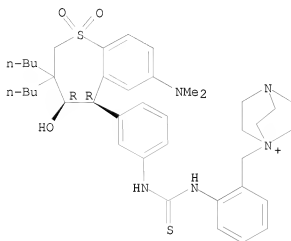
● Br<sup>-</sup>

RN 1234631-86-7 CAPLUS

10/598,458

CN INDEX NAME NOT YET ASSIGNED

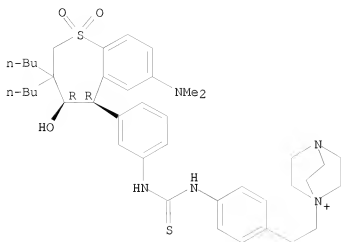
Relative stereochemistry.



RN 1234631-87-8 CAPLUS

CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
1-[2-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenylamino]thioxomethylamino]phenyl]ethyl]-, bromide (1:1), rel-  
(CA INDEX NAME)

Relative stereochemistry.



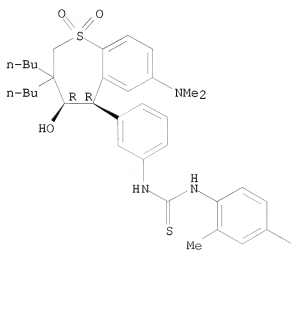
● Br<sup>-</sup>

RN 1234631-88-9 CAPLUS

CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-  
hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-  
methylphenyl)methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



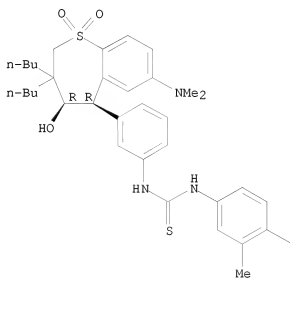
PAGE 2-A



RN 1234631-89-0 CAPLUS  
 CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-methylphenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



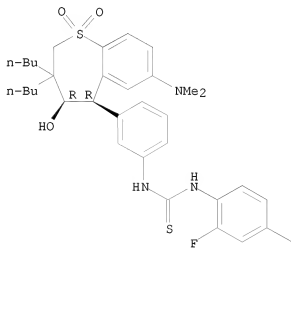
PAGE 2-A



RN 1234631-90-3 CAPLUS  
 CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
 1-[[4-[[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-  
 hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-  
 fluorophenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



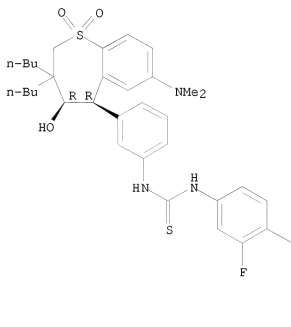
PAGE 2-A



RN 1234631-91-4 CAPLUS  
 CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
 1-[[4-[[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-  
 hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-  
 fluorophenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



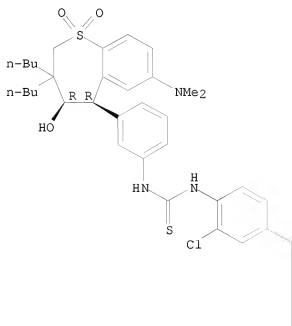
PAGE 2-A



RN 1234631-92-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



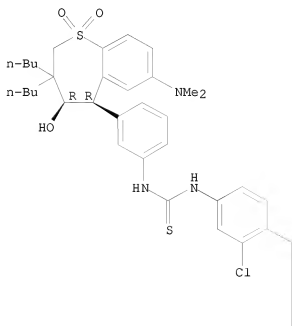
PAGE 2-A



RN 1234631-93-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



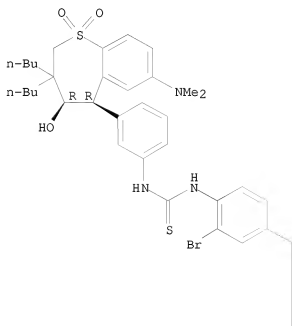
PAGE 2-A



RN 1234631-94-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



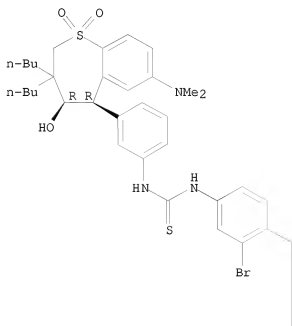
PAGE 2-A



RN 1234631-95-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

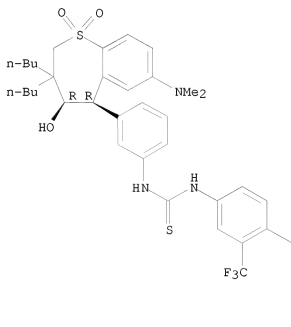


RN 1234631-96-9 CAPLUS

CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
1-[[4-[[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-(trifluoromethyl)phenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



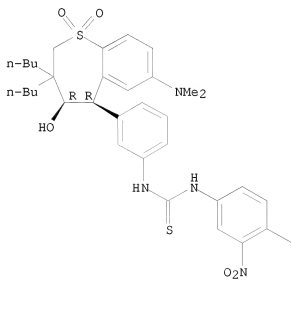
PAGE 2-A



RN 1234631-98-1 CAPLUS  
 CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-  
 hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-  
 nitrophenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

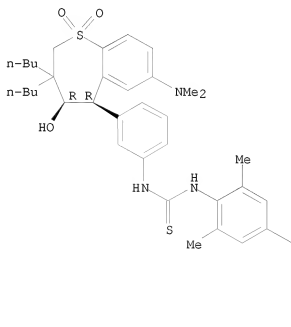


RN 1234632-00-8 CAPLUS

CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
1-[[4-[[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3,5-dimethylphenyl]methyl]-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



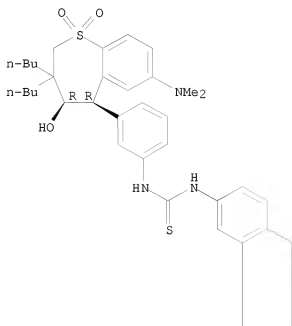
PAGE 2-A

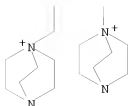


RN 1234632-02-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

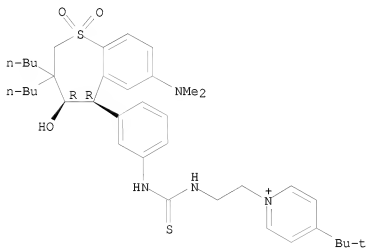
PAGE 1-A





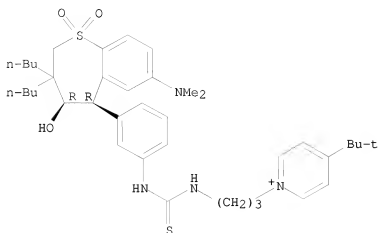
RN 1234632-04-2 CAPLUS  
 CN Pyridinium, 1-[2-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]ethyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.



RN 1234632-05-3 CAPLUS  
 CN Pyridinium, 1-[3-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]propyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

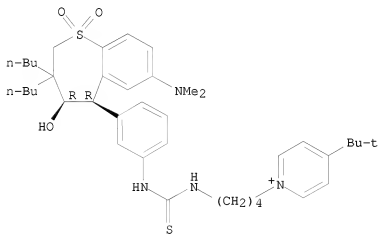


● Br<sup>-</sup>

RN 1234632-06-4 CAPLUS

CN Pyridinium, 1-[4-[[[3-[(4R, 5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]butyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.



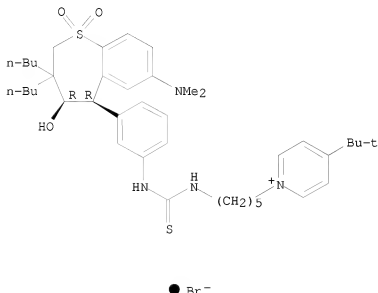
● Br<sup>-</sup>

RN 1234632-07-5 CAPLUS

CN Pyridinium, 1-[5-[[[3-[(4R, 5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-

tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]aminolpentyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

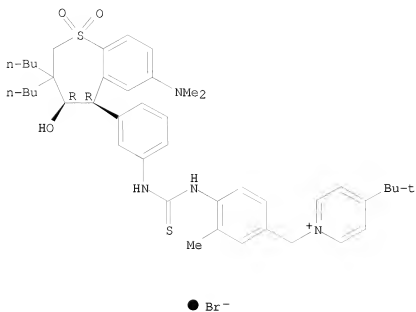


RN 1234632-08-6 CAPLUS  
 CN Pyridinium, 1-[6-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]aminohexyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.



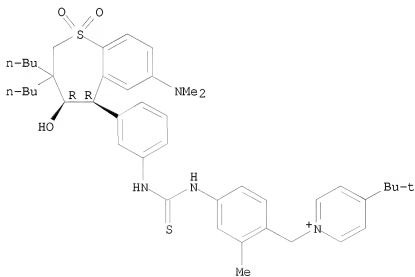




RN 1234632-12-2 CAPLUS  
 CN Pyridinium, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-methylphenyl]methyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

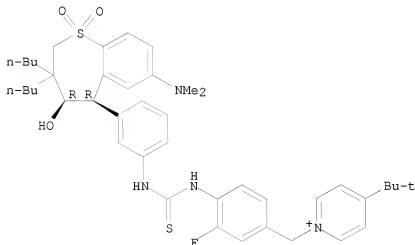
PAGE 1-A





RN 1234632-13-3 CAPLUS  
 CN Pyridinium, 1-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-fluorophenyl]methyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

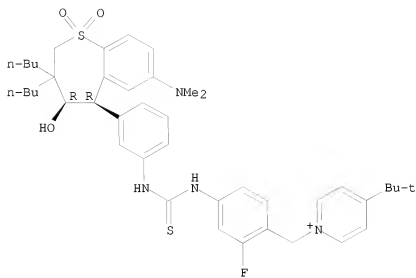
Relative stereochemistry.



RN 1234632-14-4 CAPLUS  
 CN Pyridinium, 1-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-fluorophenyl]methyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



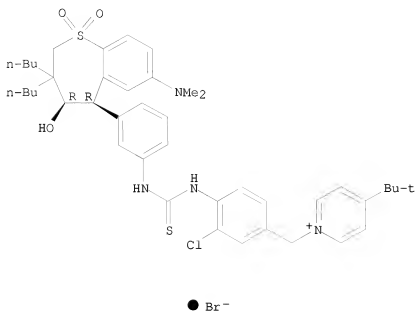
PAGE 2-A



RN 1234632-15-5 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

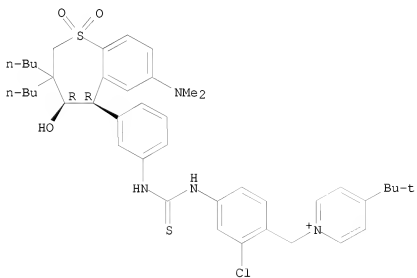
10/598,458



RN 1234632-16-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

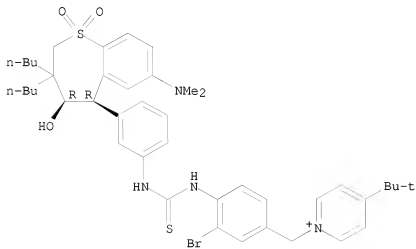
PAGE 1-A





RN 1234632-17-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

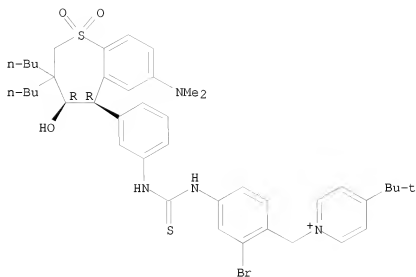
Relative stereochemistry.



RN 1234632-18-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

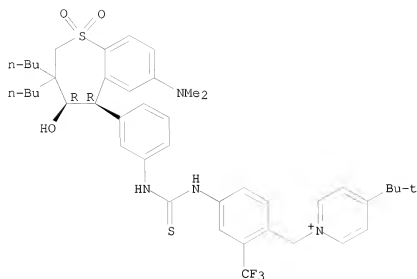


RN 1234632-19-9 CAPLUS

CN Pyridinium, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-(trifluoromethyl)phenyl]methyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



PAGE 2-A



IT	1234632-20-2P	1234632-21-3P	1234632-22-4P
	1234632-23-5P	1234632-24-6P	1234632-25-7P
	1234632-26-8P	1234632-27-9P	1234632-28-0P
	1234632-29-1P	1234632-30-4P	1234632-31-5P
	1234632-32-6P	1234632-33-7P	1234632-34-8P
	1234632-35-9P	1234632-36-0P	1234632-37-1P
	1234632-38-2P	1234632-39-3P	1234632-40-6P
	1234632-41-7P	1234632-42-8P	1234632-43-9P
	1234632-44-0P	1234632-45-1P	1234632-46-2P
	1234632-47-3P	1234632-48-4P	1234632-49-5P
	1234632-50-8P	1234632-51-9P	1234632-52-0P
	1234632-53-1P	1234632-54-2P	1234632-55-3P
	1234632-56-4P	1234632-57-5P	1234632-58-6P
	1234632-59-7P	1234632-60-0P	1234632-61-1P
	1234632-62-2P	1234632-63-3P	1234632-64-4P
	1234632-65-5P	1234632-66-6P	1234632-67-7P
	1234632-68-8P	1234632-69-9P	1234632-70-2P
	1234632-71-3P	1234632-72-4P	1234632-73-5P
	1234632-74-6P	1234632-75-7P	1234632-76-8P
	1234632-77-9P	1234632-78-0P	1234632-79-1P
	1234632-80-4P	1234632-81-5P	1234632-82-6P
	1234632-83-7P	1234632-84-8P	1234632-85-9P
	1234632-86-0P	1234632-87-1P	1234632-88-2P
	1234632-89-3P	1234632-90-6P	1234632-91-7P
	1234632-92-8P	1234632-93-9P	1234632-94-0P
	1234632-95-1P	1234632-96-2P	1234632-97-3P
	1234632-98-4P	1234632-99-5P	1234633-00-1P

1234633-01-2P	1234633-02-3P	1234633-03-4P
1234633-04-5P	1234633-05-6P	1234633-06-7P
1234633-07-8P	1234633-08-9P	1234633-09-0P
1234633-10-3P	1234633-11-4P	1234633-12-5P
1234633-13-6P	1234633-14-7P	1234633-15-8P
1234633-16-9P	1234633-17-0P	1234633-18-1P
1234633-19-2P	1234633-20-5P	1234633-21-6P
1234633-22-7P	1234633-23-8P	1234633-24-9P
1234633-25-0P	1234633-26-1P	1234633-27-2P
1234633-28-3P	1234633-29-4P	1234633-30-7P
1234633-31-8P	1234633-32-9P	1234633-33-0P
1234633-34-1P	1234633-35-2P	1234633-36-3P
1234633-37-4P	1234653-35-0P	1234653-36-1P
1234653-37-2P	1234653-38-3P	1234653-39-4P
1234694-11-1P	1234694-12-2P	1234694-13-3P
1234694-14-4P	1234694-15-5P	1234694-16-6P
1234694-17-7P	1246371-57-2P	1246371-59-4P
1246371-60-7P	1246371-61-8P	

RL: PAC (Pharmacological activity); PRPH (Prophetic); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

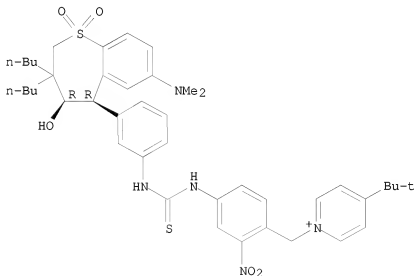
(preparation of benzothiazepine and benzothiepine compds. for prevention and treatment of hyperlipemia and lowering cholesterol)

RN 1234632-20-2 CAPLUS

CN Pyridinium, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-nitrophenyl]methyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

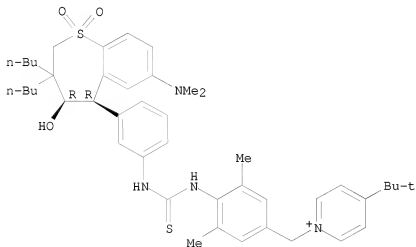
PAGE 1-A





RN 1234632-21-3 CAPLUS  
 CN Pyridinium, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3,5-dimethylphenyl]methyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

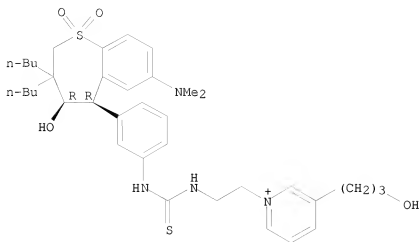
Relative stereochemistry.



RN 1234632-22-4 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

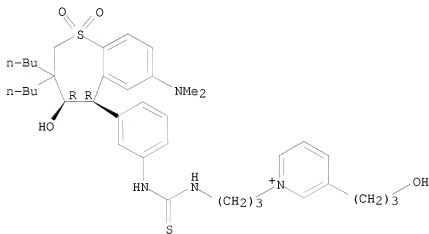


● Br<sup>-</sup>

RN 1234632-24-6 CAPLUS

CN Pyridinium, 1-[3-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]propyl]-3-(3-hydroxypropyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

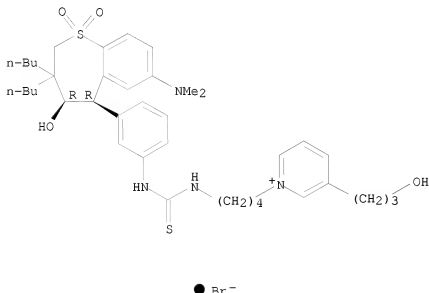
● Br<sup>-</sup>

RN 1234632-25-7 CAPLUS

CN Pyridinium, 1-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-

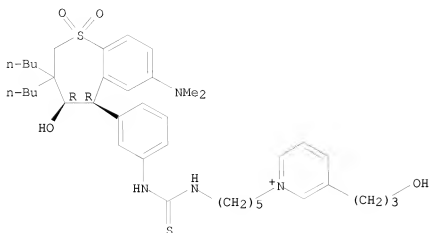
tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]butyl]-3-(3-hydroxypropyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.



RN 1234632-26-8 CAPLUS  
 CN Pyridinium, 1-[5-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]pentyl]-3-(3-hydroxypropyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

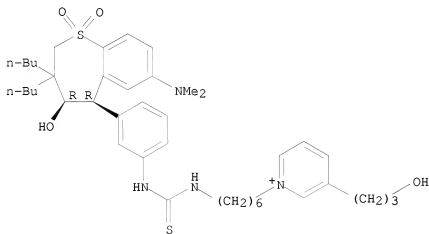


● Br<sup>-</sup>

RN 1234632-27-9 CAPLUS

CN Pyridinium, 1-[6-[[[3-[(4R, 5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]hexyl]-3-(3-hydroxypropyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

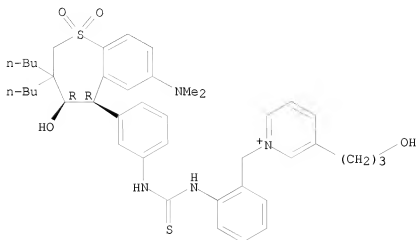


● Br<sup>-</sup>

RN 1234632-28-0 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

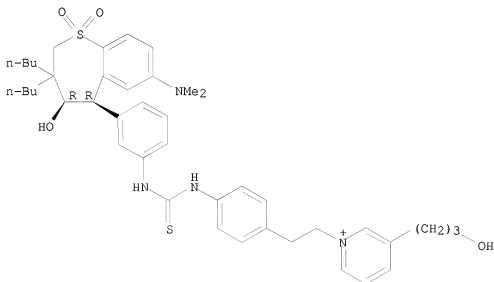
● Br<sup>-</sup>

RN 1234632-29-1 CAPLUS

CN Pyridinium, 1-[2-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxo-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]phenyl]ethyl]-3-(3-hydroxypropyl)-, bromide (1:1), rel- (CA INDEX NAME)

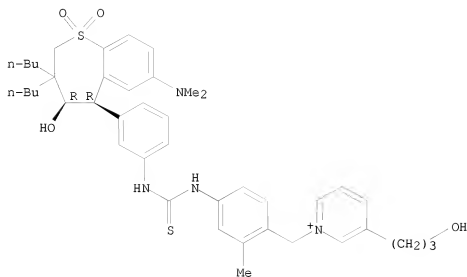
Relative stereochemistry.

PAGE 1-A





PAGE 1-A



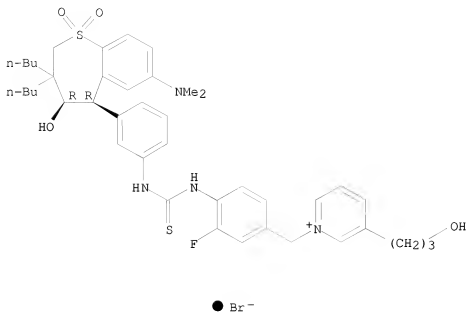
PAGE 2-A



RN 1234632-32-6 CAPLUS

CN Pyridinium, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxo-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-fluorophenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

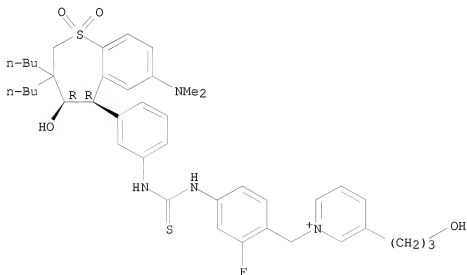


RN 1234632-33-7 CAPLUS

CN Pyridinium, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-fluorophenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

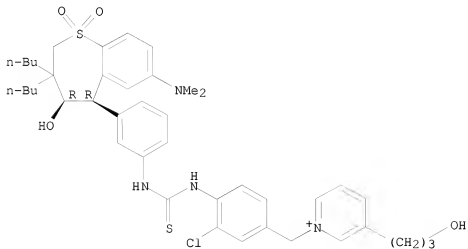
PAGE 1-A





RN 1234632-34-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

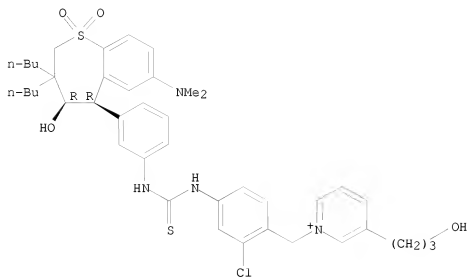
Relative stereochemistry.



RN 1234632-35-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



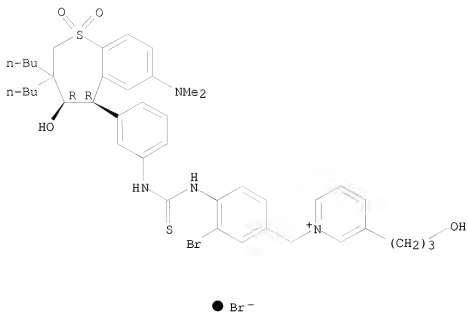
PAGE 2-A



RN 1234632-36-0 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

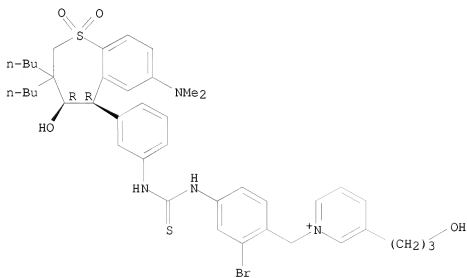
10/598,458



RN 1234632-37-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

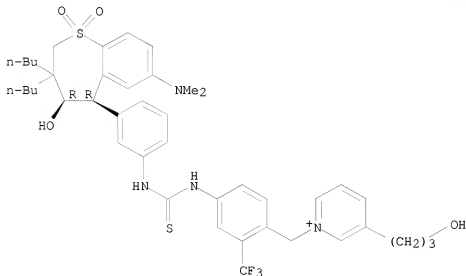


RN 1234632-38-2 CAPLUS

CN Pyridinium, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-(trifluoromethyl)phenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

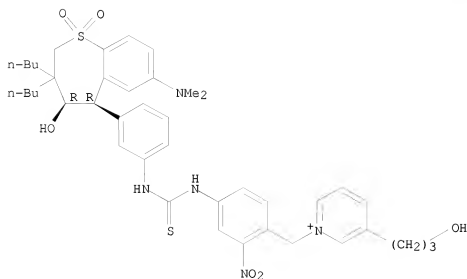


RN 1234632-39-3 CAPLUS

CN Pyridinium, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-nitrophenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

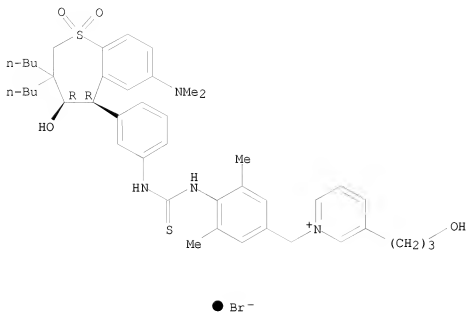


RN 1234632-40-6 CAPLUS

CN Pyridinium, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxo-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3,5-dimethylphenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

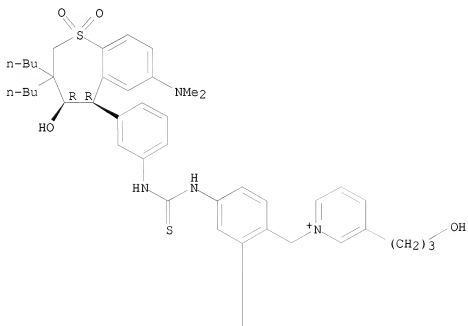
10/598,458

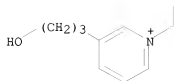


RN 1234632-41-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

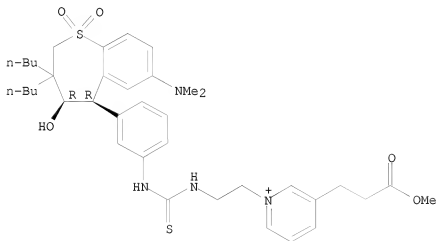
PAGE 1-A





RN 1234632-42-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

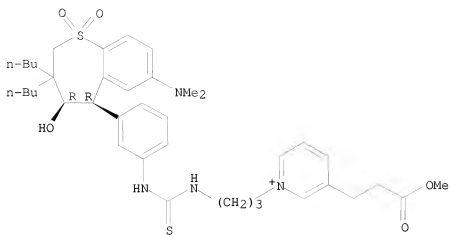
Relative stereochemistry.



RN 1234632-43-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

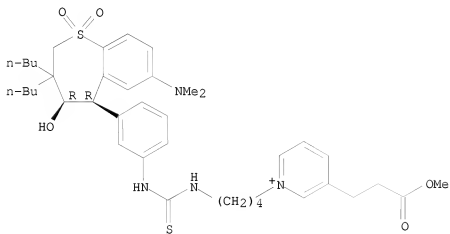
10/598,458



● Br<sup>-</sup>

RN 1234632-44-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

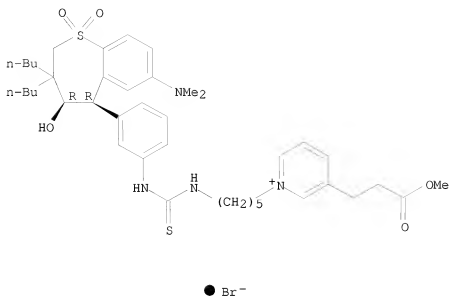


● Br<sup>-</sup>

RN 1234632-45-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

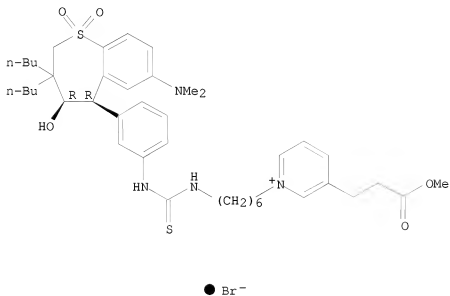
Relative stereochemistry.

10/598,458



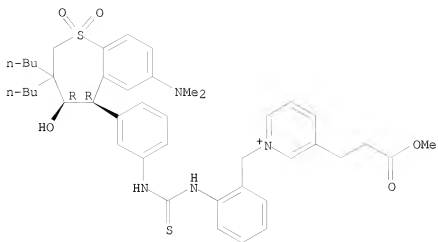
RN 1234632-46-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



RN 1234632-47-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

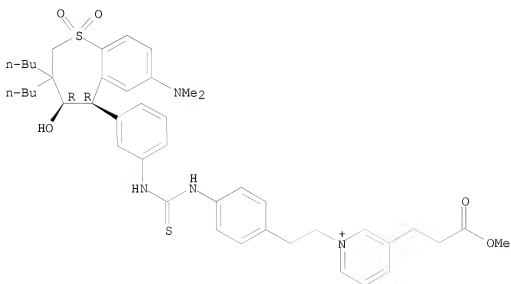
Relative stereochemistry.



RN 1234632-48-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

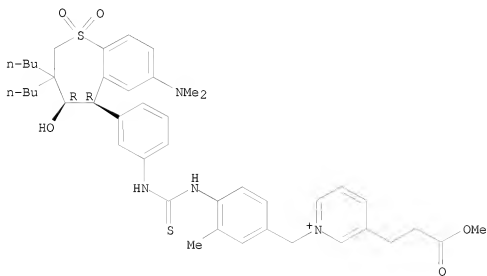


10/598,458

RN 1234632-49-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



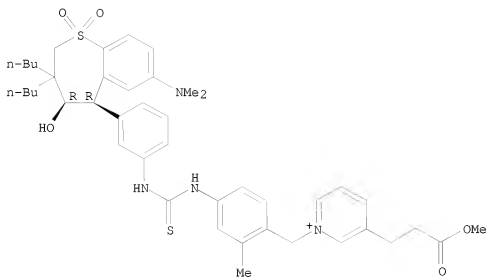
PAGE 2-A



RN 1234632-50-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



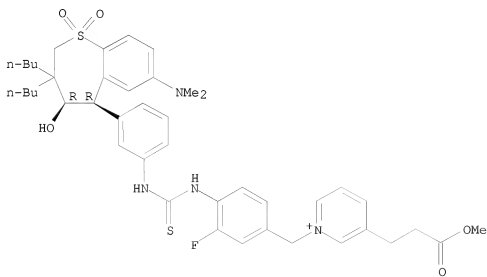
PAGE 2-A



RN 1234632-51-9 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



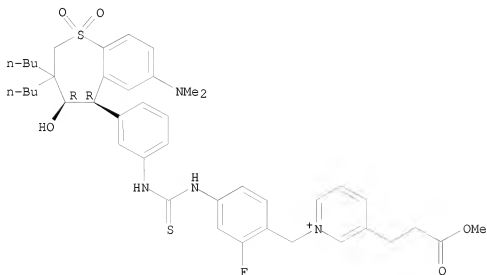
PAGE 2-A



RN 1234632-52-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



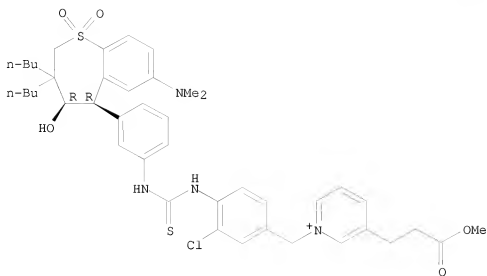
PAGE 2-A



RN 1234632-53-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



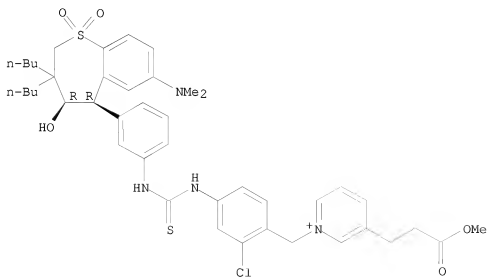
PAGE 2-A



RN 1234632-54-2 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



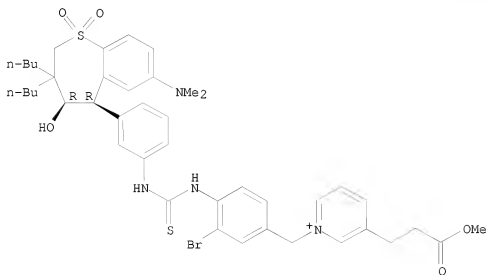
PAGE 2-A



RN 1234632-55-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



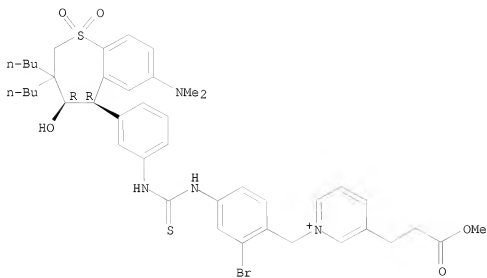
PAGE 2-A



RN 1234632-56-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



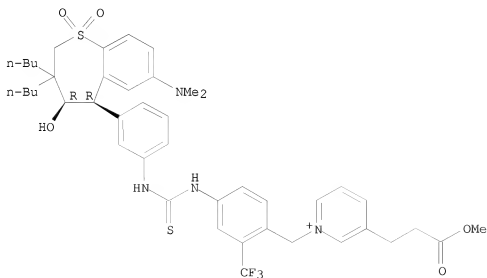
PAGE 2-A



RN 1234632-57-5 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



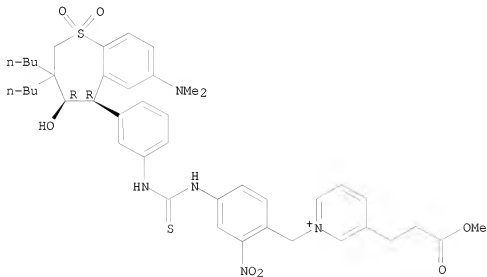
PAGE 2-A



RN 1234632-58-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



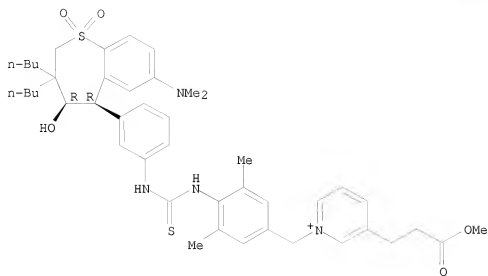
PAGE 2-A



RN 1234632-59-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



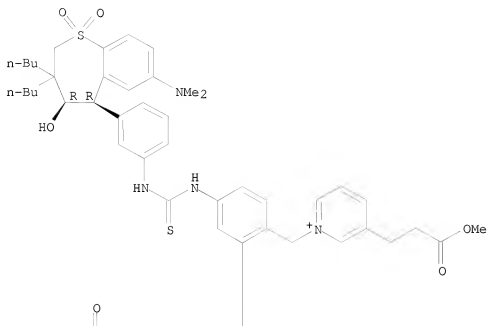
PAGE 2-A



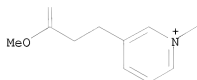
RN 1234632-60-0 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A

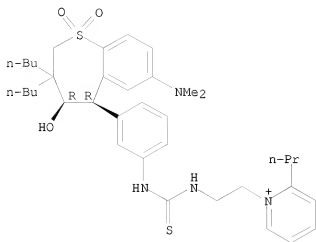


PAGE 2-A

● 2 Br<sup>-</sup>

RN 1234632-61-1 CAPLUS  
 CN Pyridinium, 1-[2-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]ethyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

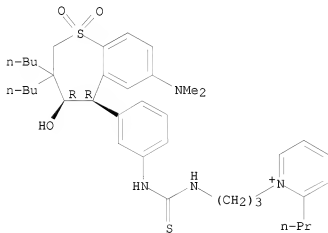


● Br<sup>-</sup>

RN 1234632-62-2 CAPLUS

CN Pyridinium, 1-[3-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]propyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.



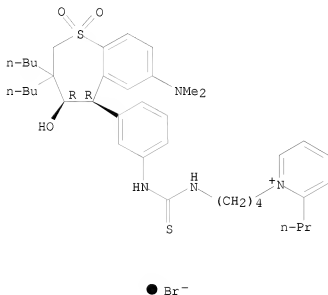
● Br<sup>-</sup>

RN 1234632-63-3 CAPLUS

CN Pyridinium, 1-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-

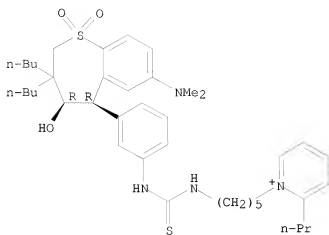
tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]butyl]-2-propyl-, bromide (1:1), rel-  
(CA INDEX NAME)

Relative stereochemistry.



RN 1234632-64-4 CAPLUS  
CN Pyridinium, 1-[5-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]aminol]pentyl]-2-propyl-, bromide (1:1), rel-  
(CA INDEX NAME)

Relative stereochemistry.

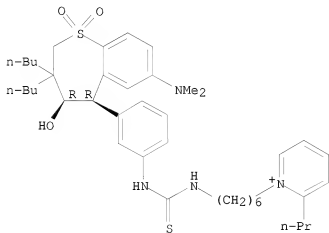


● Br<sup>-</sup>

RN 1234632-65-5 CAPLUS

CN Pyridinium, 1-[6-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]hexyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

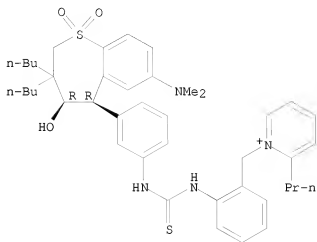


● Br<sup>-</sup>

RN 1234632-66-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

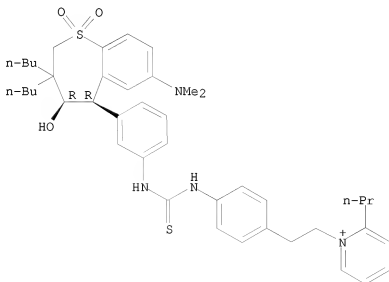


RN 1234632-67-7 CAPLUS

CN Pyridinium, 1-[2-[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]phenyl]ethyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



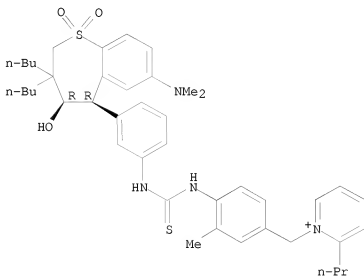
PAGE 2-A



RN 1234632-68-8 CAPLUS  
 CN Pyridinium, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-methylphenyl]methyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



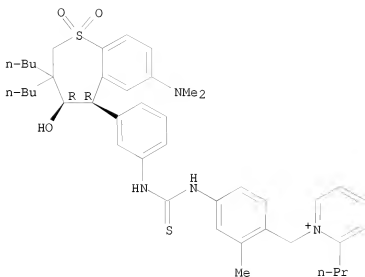
PAGE 2-A



RN 1234632-69-9 CAPLUS  
 CN Pyridinium, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-methylphenyl]methyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

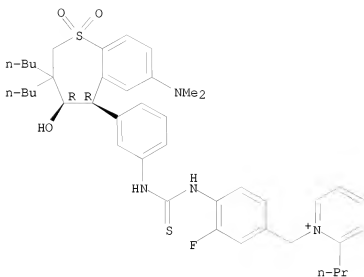


RN 1234632-70-2 CAPLUS

CN Pyridinium, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-fluorophenyl]methyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



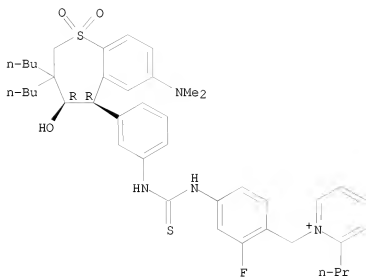
PAGE 2-A



RN 1234632-71-3 CAPLUS  
 CN Pyridinium, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-fluorophenyl]methyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



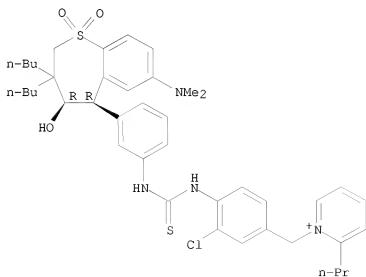
PAGE 2-A



RN 1234632-72-4 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



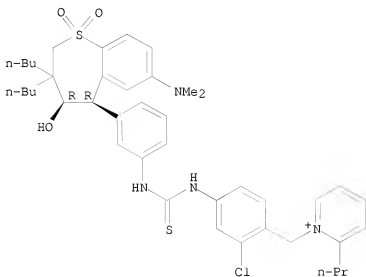
PAGE 2-A



RN 1234632-73-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



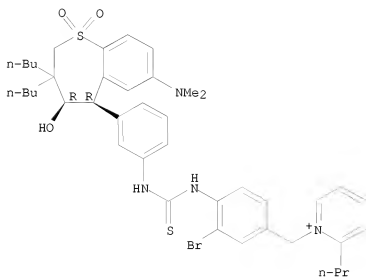
PAGE 2-A



RN 1234632-74-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



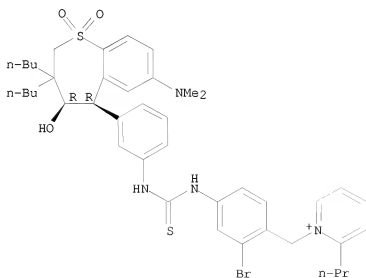
PAGE 2-A



RN 1234632-75-7 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A



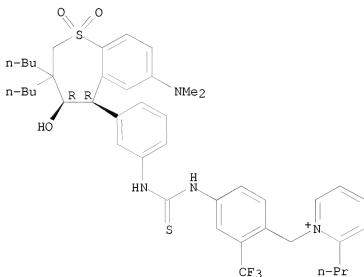
PAGE 2-A



RN 1234632-76-8 CAPLUS  
 CN Pyridinium, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-(trifluoromethyl)phenyl]methyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



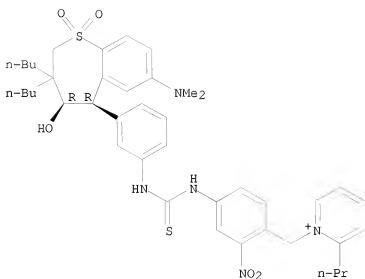
PAGE 2-A



RN 1234632-77-9 CAPLUS  
 CN Pyridinium, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-nitrophenyl]methyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

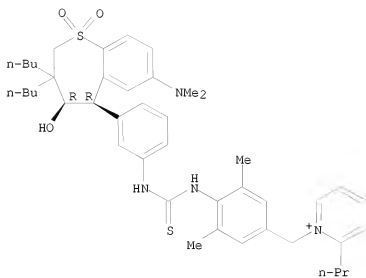


RN 1234632-78-0 CAPLUS

CN Pyridinium, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3,5-dimethylphenyl]methyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



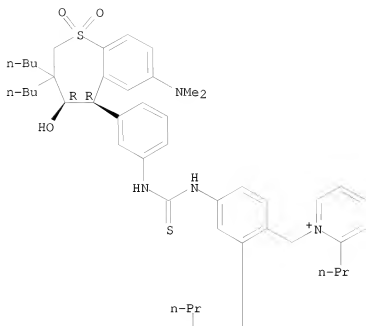
PAGE 2-A



RN 1234632-79-1 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

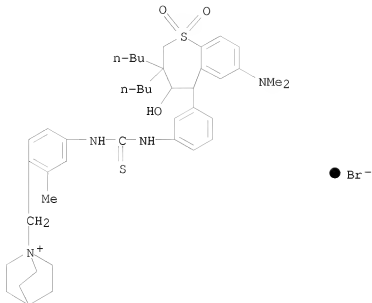
PAGE 1-A



PAGE 2-A

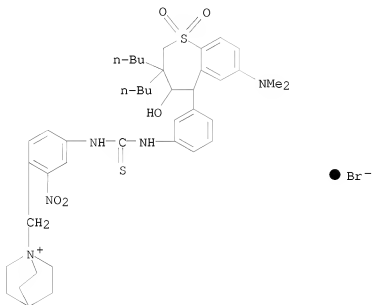
● 2 Br<sup>-</sup>

RN 1234632-80-4 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-methylphenyl]methyl]-, bromide (1:1)  
 (CA INDEX NAME)



RN 1234632-81-5 CAPLUS

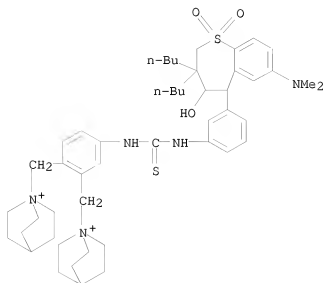
CN 1-Azoniabicyclo[2.2.2]octane, 1-[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-nitrophenyl]methyl]-, bromide (1:1)  
(CA INDEX NAME)



RN 1234632-82-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

PAGE 1-A

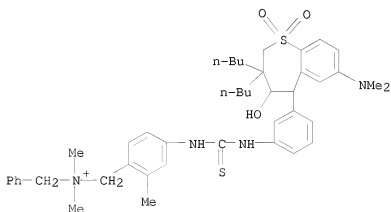


PAGE 2-A

● 2 Br<sup>-</sup>

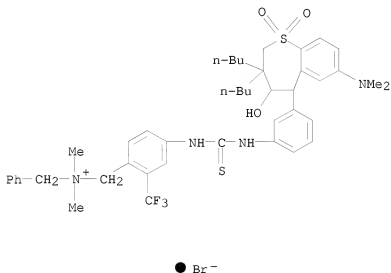
RN 1234632-83-7 CAPLUS

CN Benzenemethanaminium, 4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N,N,2-trimethyl-N-(phenylmethyl)-, bromide (1:1) (CA INDEX NAME)

● Br<sup>-</sup>

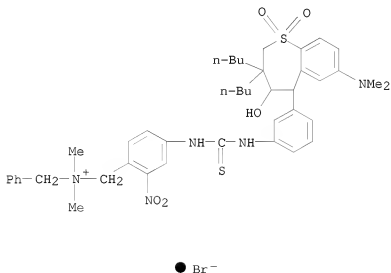
RN 1234632-84-8 CAPLUS

CN Benzenemethanaminium, 4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]aminol-N,N-dimethyl-N-(phenylmethyl)-2-(trifluoromethyl)-, bromide (1:1) (CA INDEX NAME)



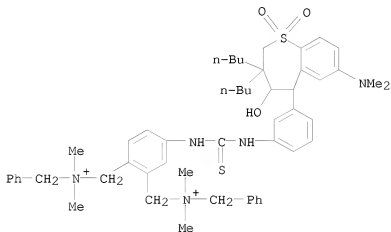
RN 1234632-85-9 CAPLUS

CN Benzenemethanaminium, 4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]aminol-N,N-dimethyl-2-nitro-N-(phenylmethyl)-, bromide (1:1) (CA INDEX NAME)



RN 1234632-86-0 CAPLUS

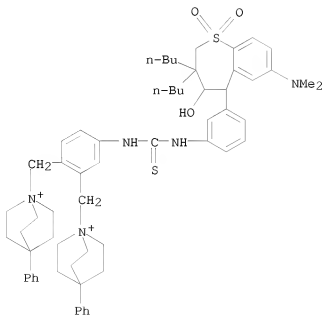
CN 1,2-Benzenedimethanaminium, 4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-N1,N1,N2,N2-tetramethyl-N1,N2-bis(phenylmethyl)-, bromide (1:2) (CA INDEX NAME)

● 2 Br<sup>-</sup>

RN 1234632-87-1 CAPLUS

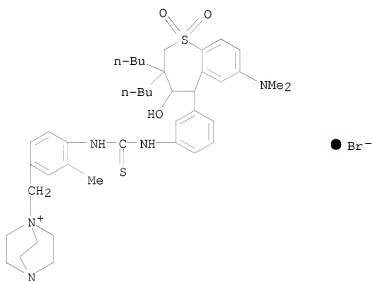
CN INDEX NAME NOT YET ASSIGNED

PAGE 1-A

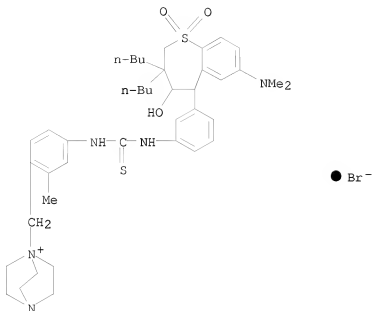


● 2 Br<sup>-</sup>

RN 1234632-88-2 CAPLUS  
 CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
 1-[[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-  
 1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-  
 methylphenyl]methyl]-, bromide (1:1) (CA INDEX NAME)

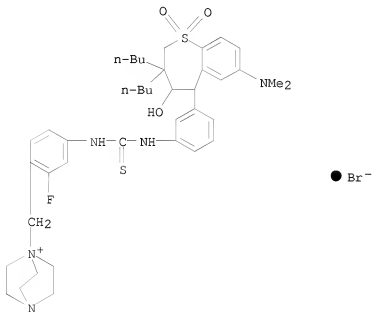


RN 1234632-89-3 CAPLUS  
 CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
 1-[[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-  
 1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-  
 methylphenyl]methyl]-, bromide (1:1) (CA INDEX NAME)



RN 1234632-90-6 CAPLUS

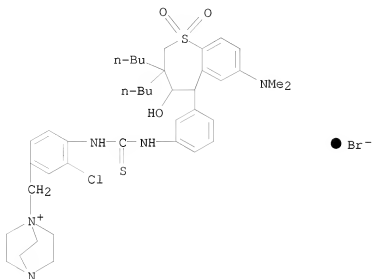
CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
 1-[[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-  
 1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-  
 fluorophenyl]methyl]-, bromide (1:1) (CA INDEX NAME)



RN 1234632-91-7 CAPLUS

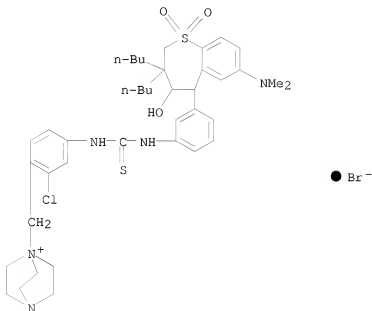
10/598,458

CN INDEX NAME NOT YET ASSIGNED



RN 1234632-92-8 CAPLUS

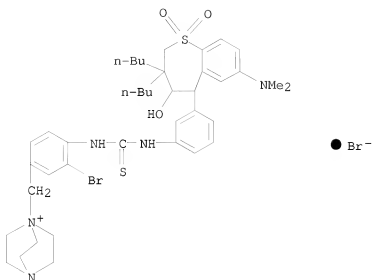
CN INDEX NAME NOT YET ASSIGNED



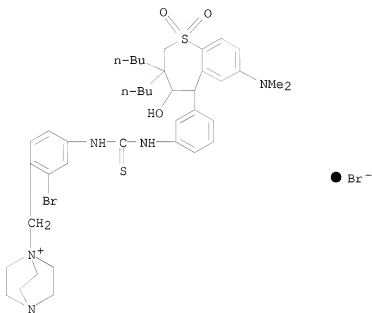
RN 1234632-93-9 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

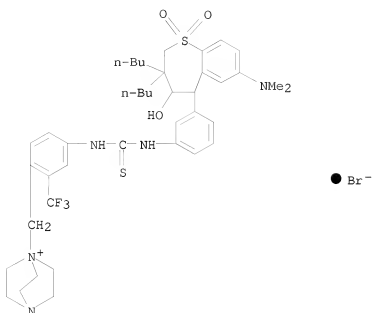
10/598,458



RN 1234632-94-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

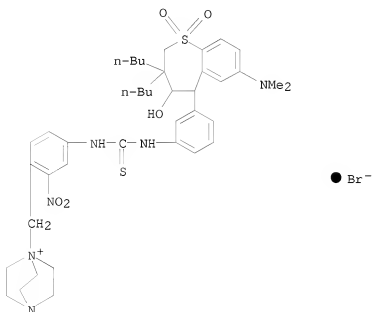


RN 1234632-95-1 CAPLUS  
CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
1-[[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-  
1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-  
(trifluoromethyl)phenyl]methyl]-, bromide (1:1) (CA INDEX NAME)



RN 1234632-96-2 CAPLUS

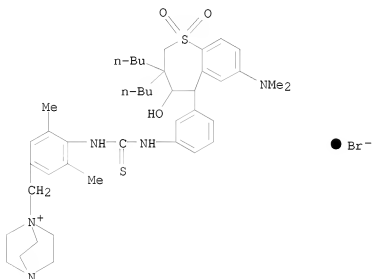
CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
1-[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-  
1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-  
nitrophenyl]methyl]-, bromide (1:1) (CA INDEX NAME)



RN 1234632-97-3 CAPLUS

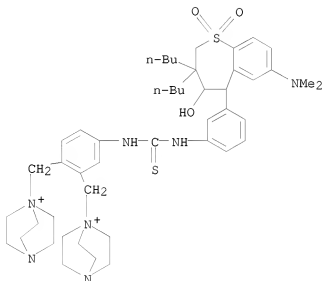
CN 4-Aza-1-azoniabicyclo[2.2.2]octane,

1-[[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3,5-dimethylphenyl]methyl]-, bromide (1:1) (CA INDEX NAME)



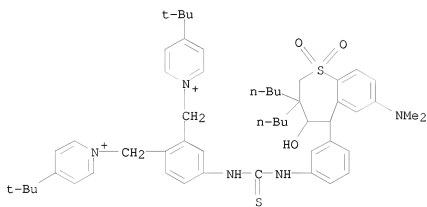
RN 1234632-98-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

PAGE 1-A

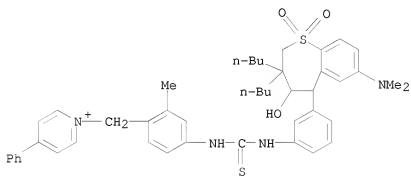


● 2 Br<sup>-</sup>

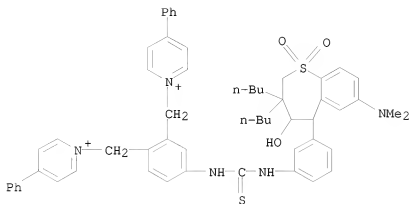
RN 1234632-99-5 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

● 2 Br<sup>-</sup>

RN 1234633-00-1 CAPLUS  
 CN Pyridinium, 1-[[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-methylphenyl]methyl]-4-phenyl-, bromide (1:1) (CA INDEX NAME)

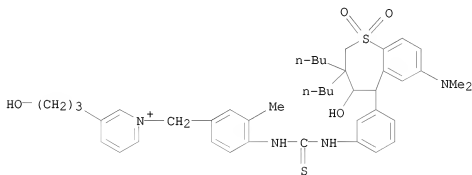
● Br<sup>-</sup>

RN 1234633-01-2 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

● 2 Br<sup>-</sup>

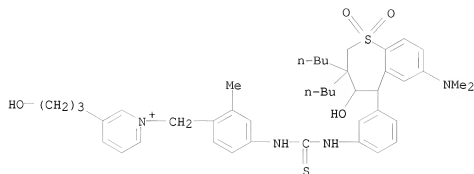
RN 1234633-02-3 CAPLUS

CN Pyridinium, 1-[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-methylphenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1) (CA INDEX NAME)

● Br<sup>-</sup>

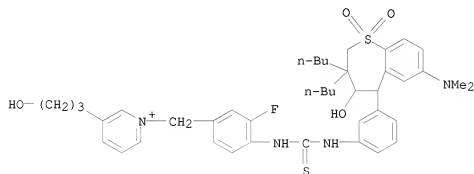
RN 1234633-03-4 CAPLUS

CN Pyridinium, 1-[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-methylphenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1) (CA INDEX NAME)

● Br<sup>-</sup>

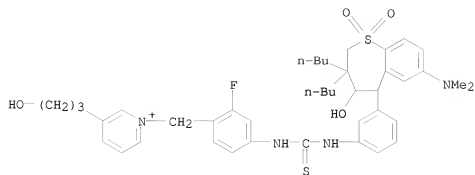
RN 1234633-04-5 CAPLUS

CN Pyridinium, 1-[[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-fluorophenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1) (CA INDEX NAME)

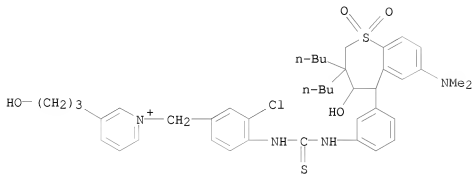
● Br<sup>-</sup>

RN 1234633-05-6 CAPLUS

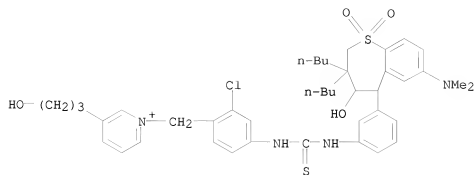
CN Pyridinium, 1-[[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-fluorophenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1) (CA INDEX NAME)



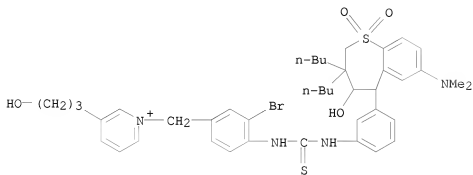
RN 1234633-06-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



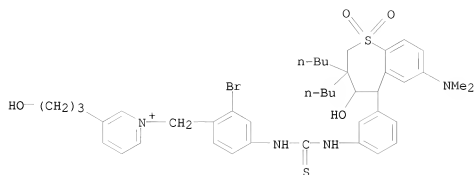
RN 1234633-07-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1234633-08-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

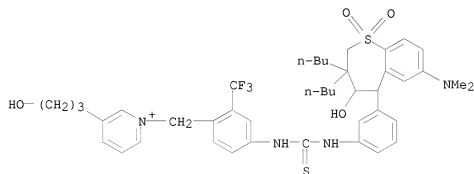


RN 1234633-09-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



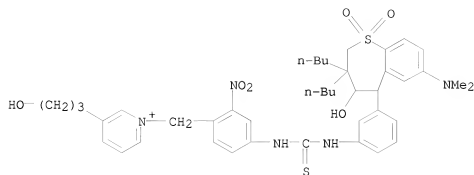
● Br<sup>-</sup>

RN 1234633-10-3 CAPLUS  
 CN Pyridinium, 1-[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-(trifluoromethyl)phenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1) (CA INDEX NAME)



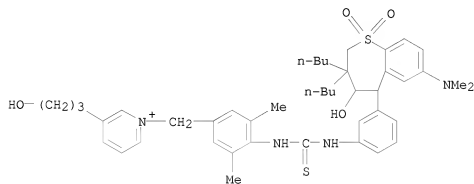
● Br<sup>-</sup>

RN 1234633-11-4 CAPLUS  
 CN Pyridinium, 1-[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-nitrophenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1) (CA INDEX NAME)

● Br<sup>-</sup>

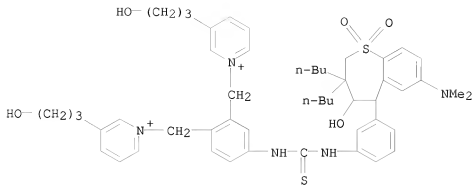
RN 1234633-12-5 CAPLUS

CN Pyridinium, 1-[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3,5-dimethylphenyl]methyl]-3-(3-hydroxypropyl)-, bromide (1:1) (CA INDEX NAME)

● Br<sup>-</sup>

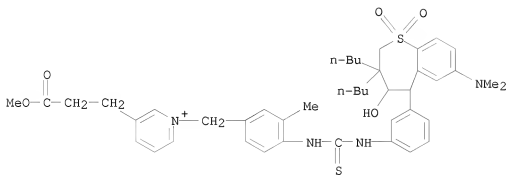
RN 1234633-13-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



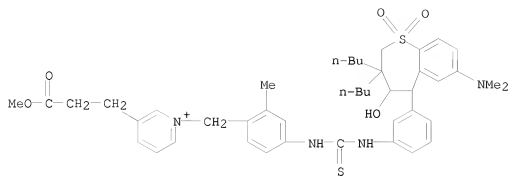
● 2 Br<sup>-</sup>

RN 1234633-14-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

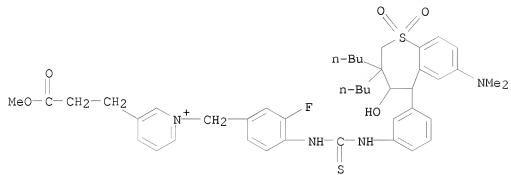


● Br<sup>-</sup>

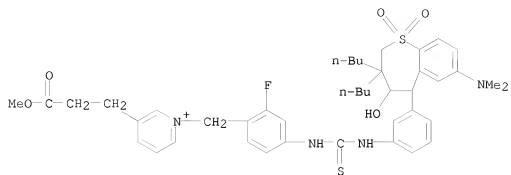
RN 1234633-15-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



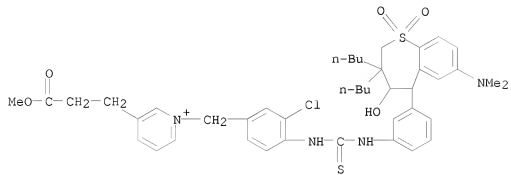
RN 1234633-16-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



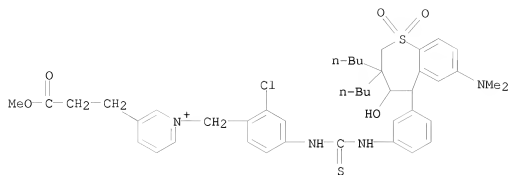
RN 1234633-17-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



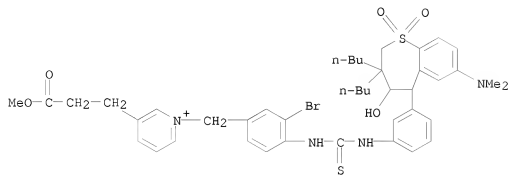
RN 1234633-18-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



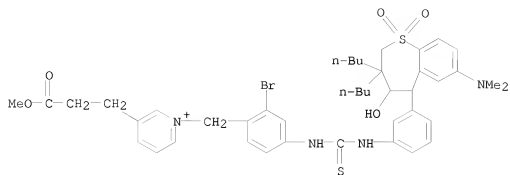
RN 1234633-19-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



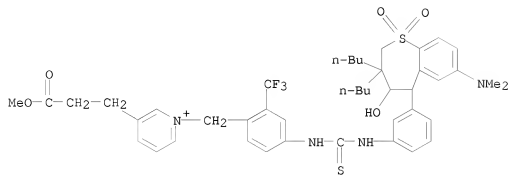
RN 1234633-20-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



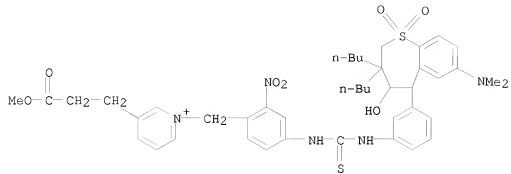
RN 1234633-21-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



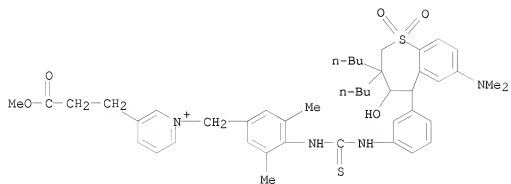
RN 1234633-22-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1234633-23-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

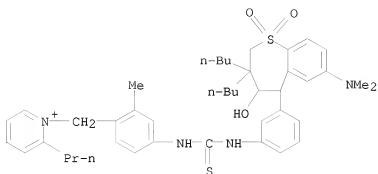


RN 1234633-24-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

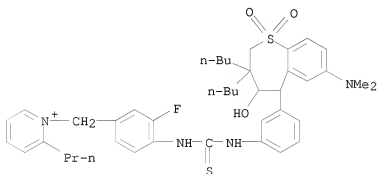


RN 1234633-25-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

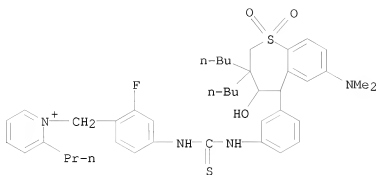


● Br<sup>-</sup>

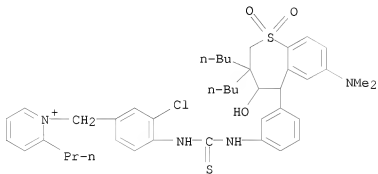
RN 1234633-28-3 CAPLUS  
 CN Pyridinium, 1-[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-fluorophenyl]methyl]-2-propyl-, bromide (1:1) (CA INDEX NAME)

● Br<sup>-</sup>

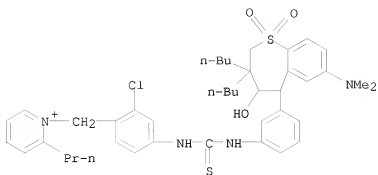
RN 1234633-29-4 CAPLUS  
 CN Pyridinium, 1-[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-fluorophenyl]methyl]-2-propyl-, bromide (1:1) (CA INDEX NAME)



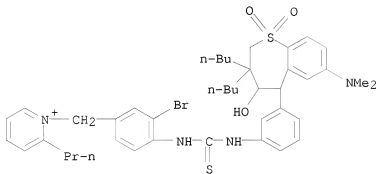
RN 1234633-30-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



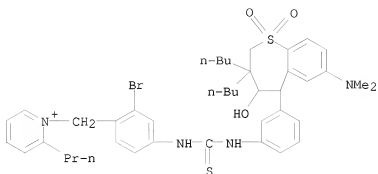
RN 1234633-31-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1234633-32-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

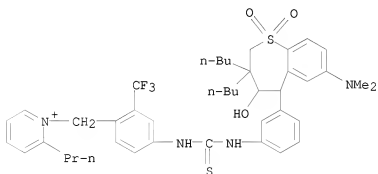


RN 1234633-33-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

● Br<sup>-</sup>

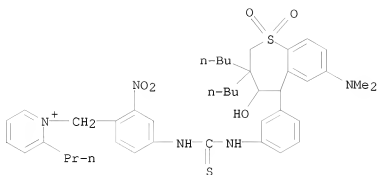
RN 1234633-34-1 CAPLUS

CN Pyridinium, 1-[[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-(trifluoromethyl)phenyl]methyl]-2-propyl-, bromide (1:1) (CA INDEX NAME)

● Br<sup>-</sup>

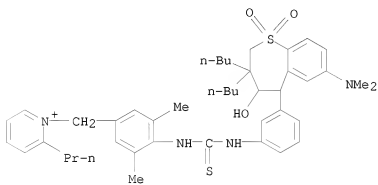
RN 1234633-35-2 CAPLUS

CN Pyridinium, 1-[[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-2-nitrophenyl]methyl]-2-propyl-, bromide (1:1) (CA INDEX NAME)



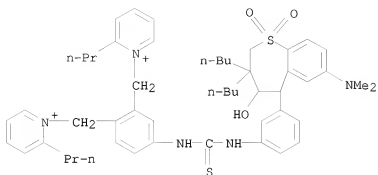
RN 1234633-36-3 CAPLUS

CN Pyridinium, 1-[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3,5-dimethylphenyl]methyl]-2-propyl-, bromide (1:1) (CA INDEX NAME)



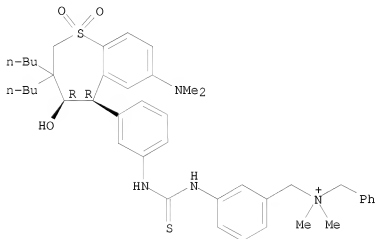
RN 1234633-37-4 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



RN 1234653-35-0 CAPLUS  
 CN Benzenemethanaminium, 3-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]aminol-N,N-dimethyl-N-(phenylmethyl)-, bromide (1:1), rel- (CA INDEX NAME)

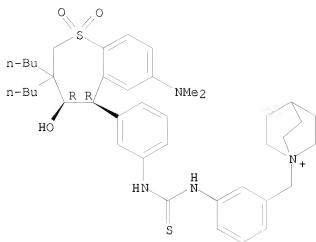
Relative stereochemistry.



RN 1234653-36-1 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

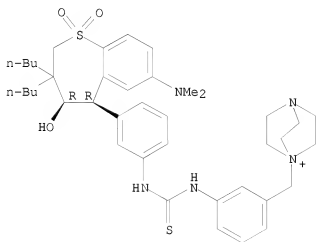
10/598,458



● Br<sup>-</sup>

RN 1234653-37-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

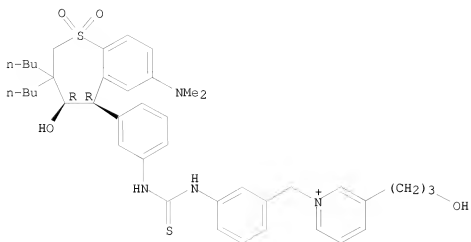


● Br<sup>-</sup>

RN 1234653-38-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

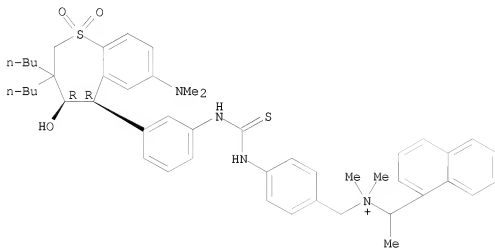
Relative stereochemistry.

10/598,458



RN 1234653-39-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

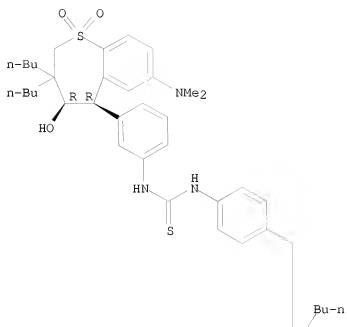
Relative stereochemistry.



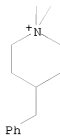
RN 1234694-11-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

PAGE 1-A

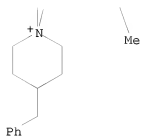
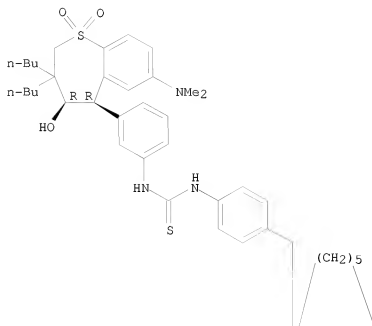


PAGE 2-A



RN 1234694-12-2 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

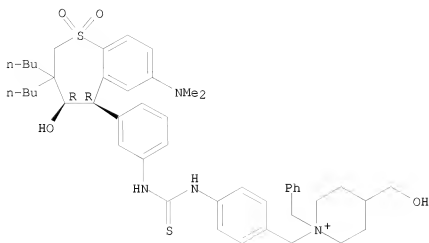


RN 1234694-13-3 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

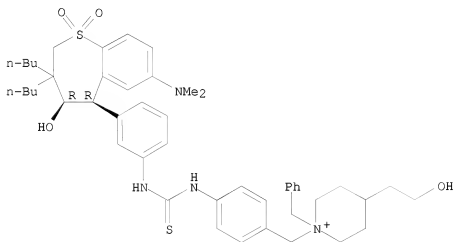


10/598,458



RN 1234694-16-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

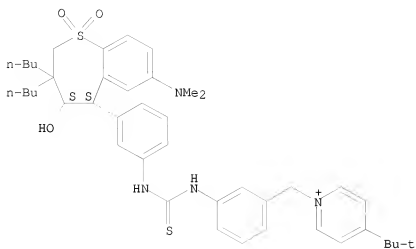


RN 1234694-17-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

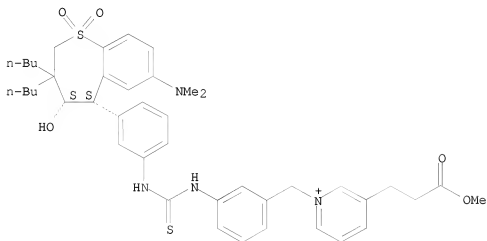


10/598,458



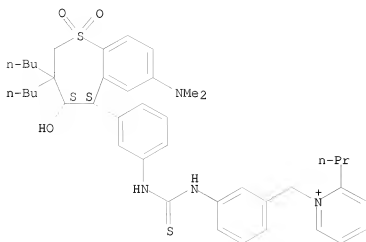
RN 1246371-60-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



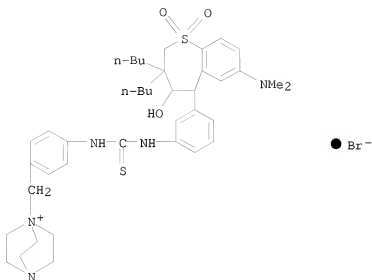
RN 1246371-61-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.



● Br<sup>-</sup>

IT 864348-68-5P 864348-70-9P 864348-71-0P  
 864348-72-1P 864348-73-2P 1246369-95-8P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)  
 (preparation of benzothiazepine and benzothiepine compds. for prevention and  
 treatment of hyperlipemia and lowering cholesterol)  
 RN 864348-68-5 CAPLUS  
 CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
 1-[[4-[[[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-  
 1,1-dioxido-1-benzothiepin-5-  
 yl]phenyl]amino]thioxomethyl]amino]phenyl]methyl]-, bromide (1:1) (CA  
 INDEX NAME)

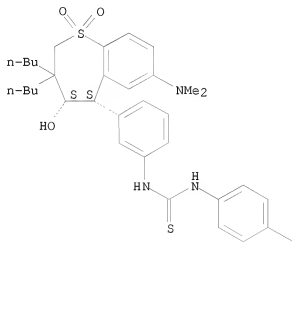


RN 864348-70-9 CAPLUS

CN 1-Azoniabicyclo[2.2.2]octane, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]phenyl]methyl]-4-phenyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



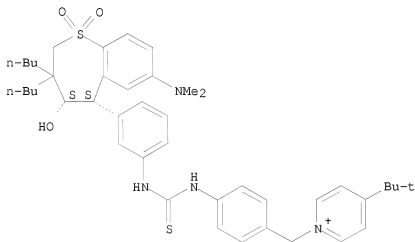
PAGE 2-A



RN 864348-71-0 CAPLUS

CN Pyridinium, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]phenyl]methyl]-4-(1,1-dimethylethyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

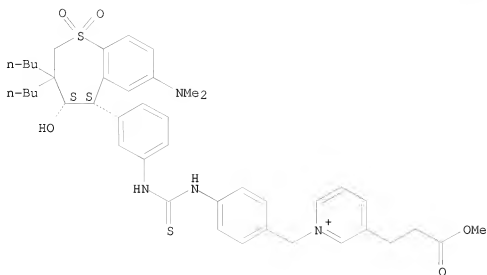


RN 864348-72-1 CAPLUS

CN Pyridinium, 1-[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]phenyl]methyl]-3-(3-methoxy-3-oxopropyl)-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



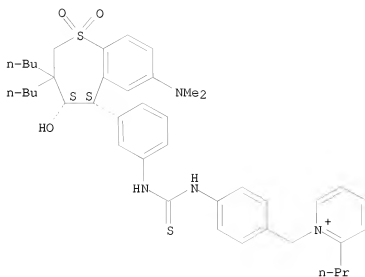
PAGE 2-A



RN 864348-73-2 CAPLUS  
 CN Pyridinium, 1-[[[4-[[[3-[(4R,5R)-3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]phenyl]methyl]-2-propyl-, bromide (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

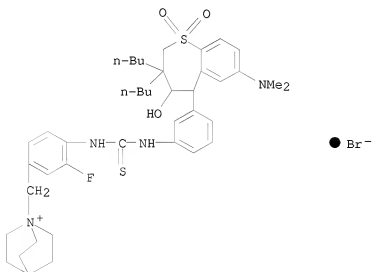
PAGE 1-A



PAGE 2-A



RN 1246369-95-8 CAPLUS  
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[[4-[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-1,1-dioxido-1-benzothiepin-5-yl]phenyl]amino]thioxomethyl]amino]-3-fluorophenyl]methyl]-, bromide (1:1)  
 (CA INDEX NAME)



10/598,458

L5 ANSWER 372 OF 372 REGISTRY COPYRIGHT 2011 ACS on STN  
RN 964356-43-4 REGISTRY  
ED Entered STN: 03 Oct 2005  
CN 4-Aza-1-azoniabicyclo[2.2.2]octane,  
1-[[[4-[[[[[3-[3,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-4-hydroxy-  
1,1-dioxido-1-benzothiepin-5-  
yl]phenyl]amino]thioxomethyl]amino]phenyl]methyl]- (CA INDEX NAME)  
MF C40 H56 N5 O3 S2  
CI COM  
SR CA

